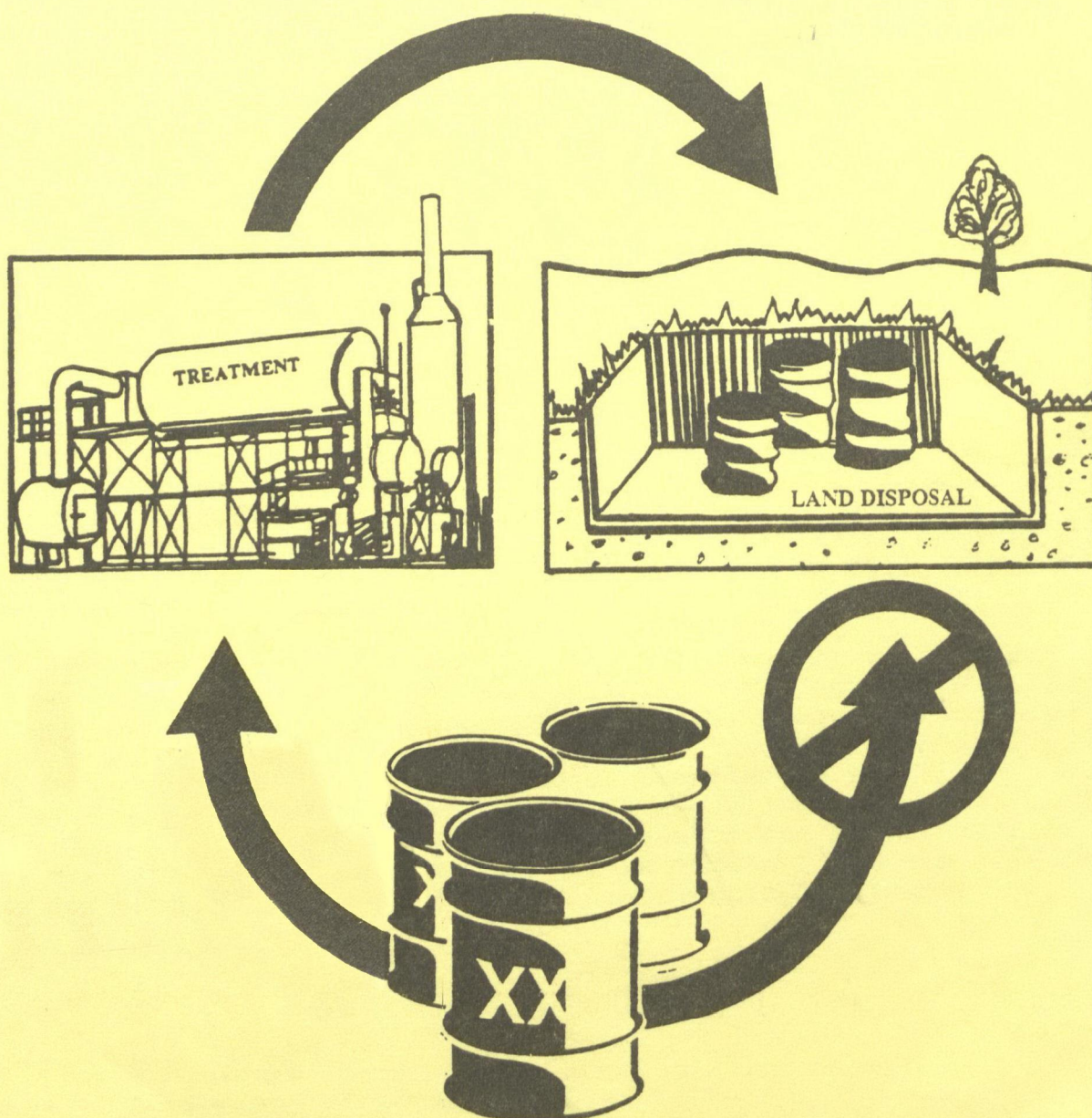


Land Disposal Restrictions

Summary of Requirements





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

J.F. KENNEDY FEDERAL BUILDING, BOSTON, MASSACHUSETTS 02203-2211

Dear Reader:

The Land Disposal Restrictions (LDR) regulations have been implemented in a series of five (5) rules. These rules, promulgated between November, 1986 and May, 1990, restrict the disposal of hazardous waste in or on the land. All generators of hazardous waste, as well as treatment, storage, recycling, and/or disposal facilities, are impacted by the LDR program. Because of this, it is important for you to examine and understand the requirements and to determine whether and how each of the LDR rules applies at your facility.

To help you understand this complex and far-reaching program, Region I has prepared this information package explaining the Land Disposal Restrictions rules published since June, 1990. We encourage you to read this information. It is important to understand that the LDR requirements, which continue EPA's philosophy of tracking waste from "cradle to grave" and ensure that untreated hazardous waste is not land disposed, apply to all shipments of hazardous waste regardless of the actual treatment and/or disposal method used. For this reason, you should examine this document, as well as the regulations, and evaluate all hazardous wastes handled at your facility to determine LDR applicability.

This information package provides a brief overview of the regulations and explains each of the five rules in detail. In addition, the tables of "treatment standards", which must be consulted to determine whether a waste is prohibited from land disposal, have been reprinted in the Appendix to this document for ease of reference.

Again, please take the time to read this document to ensure your facility's compliance with these regulations. For any additional information or clarifications you may need, please contact the RCRA/Superfund Hotline at (800) 424-9346, Region I's RCRA Support Section at (617) 573-5750, or Robert Cianciarulo at (617) 573-5778. Written inquiries about this publication or the Land Disposal Restrictions should be directed to the LDR contact in the nearest EPA Regional Office or, in Region I, to the address above, to the attention of Robert Cianciarulo, mail code HRW-CAN3.

Sincerely,

A handwritten signature in black ink, reading "Merrill S. Hohman".

Merrill S. Hohman, Director
Waste Management Division



DISCLAIMER

This document presents a brief summary of the Land Disposal Restrictions (LDR) regulations. It is not meant to be a complete or detailed description of all applicable LDR regulations. For more information concerning specific requirements, consult the Federal Registers cited herein and the Code of Federal Regulations, Title 40 Parts 260-271.

**Land Disposal Restrictions Work Group
Region I
August 1990**

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LAND DISPOSAL RESTRICTIONS

Summary of Requirements

I. INTRODUCTION

On November 8, 1984, the President signed into law the Hazardous and Solid Waste Amendments (HSWA) to the Resource Conservation and Recovery Act (RCRA). Among other things, these Amendments require EPA to evaluate all listed and characteristic hazardous wastes according to a strict schedule to determine which wastes should be restricted from land disposal. This portion of the HSWA is known as the Land Disposal Restrictions (LDR).

For wastes that are restricted, the Amendments require EPA to set concentration levels or methods of treatment, both of which are called "treatment standards", that substantially diminish the toxicity of wastes or reduce the likelihood that hazardous constituents from wastes will migrate from the disposal site. After the effective date of the restriction, wastes that do not meet the treatment requirements are prohibited from land disposal. According to HSWA, if EPA fails to set the treatment standard for a particular waste by the specified deadline, that waste is automatically subject to land disposal restrictions specified in the statute.

In the first rule implementing the land disposal restrictions, published on November 7, 1986, EPA defined land disposal to include, but not be limited to, any placement of hazardous waste in:

- Landfills
- Surface impoundments
- Waste piles
- Injection wells
- Land treatment facilities
- Salt domes or salt bed formations
- Underground mines or caves
- Concrete vaults or bunkers, intended for disposal purposes

Information concerning land disposal rules published to date can be found in Table 1. Federal Registers cited therein can be obtained by contacting the EPA RCRA/Superfund Hotline at 1-800-424-9346.

TABLE 1. LAND DISPOSAL REGULATIONS

Date	Federal Register	Contents
May 28, 1986	51 FR 19300	provides implementation schedule
Nov. 7, 1986	51 FR 40572	solvents & dioxins
June 4, 1987	52 FR 21010	corrections to November 7, 1986 rule
July 8, 1987	52 FR 25760	"California List Wastes" (halogenated wastes, certain metal-bearing wastes, polychlorinated biphenyls (PCBs), and cyanide and corrosive wastes)
July 26, 1988	53 FR 28118	Underground Injection Control (UIC): solvents and dioxins
August 16, 1988	53 FR 30908	UIC: California List and some "First Third" Wastes (specific F, K, P and U wastes)
August 17, 1988	53 FR 31138	"First Third" Wastes (see §268.10)
May 2, 1989	54 FR 18837	Amendments to "First Third" Rule
June 23, 1989	54 FR 26594	"Second Third" Wastes (see §268.11)
September 6, 1989	54 FR 36967	Corrections to August 17, 1988 and May 2, 1989 rules
March 29, 1990	55 FR 11796	Listing of Toxicity Characteristic Waste Codes D018-D043
June 1, 1990	55 FR 22520	"Third Third" Wastes and Characteristic Wastes (D001-D017) (see §268.12)

The general provisions of all LDR regulations promulgated as of June 1990 are described in this booklet. Notations, such as §268.30, appearing in this document, refer to the section of Title 40 of the Code of Federal Regulations (CFR) in which information pertaining to the specific subject matter can be found.

II. GENERAL PROVISIONS OF THE LAND DISPOSAL RESTRICTIONS (LDR) PROGRAM

A. Applicability (§268.1)

The requirements of the LDR apply to all persons who generate or transport hazardous wastes and owners and operators of hazardous waste treatment, storage and disposal facilities except as specifically provided otherwise (e.g., 40 CFR Parts 261 and 268). Wastes disposed of before November 8, 1986 do not have to be removed from a land disposal unit for treatment. However, if wastes are removed from a land disposal unit, the wastes must meet the applicable treatment standard before subsequent placement in or on the land.

Since the LDR became effective, several questions have arisen concerning the applicability of the restrictions to wastes which are classified as hazardous by State regulation. If a waste cannot be identified by an EPA hazardous waste code, then that waste is not subject to the LDR. If, however, a State regulated waste (such as waste paint or waste oil) could also be characterized by an EPA waste code (e.g., D001, etc.), that waste is subject to the requirements of the LDR.

B. Dilution Prohibition (§268.3)

The LDR rule prohibits the dilution of restricted wastes as a substitute for adequate treatment. This provision ensures that no individual avoids the intent of EPA's regulations by simply diluting, rather than actually treating the waste.

Dilution as a necessary part of the waste treatment process, however, is allowed in the LDR program. For example, the addition of an acid or base reagent to a waste in a neutralization tank does not merely dilute the waste into a larger volume of waste; rather, the addition of the reagent is a normal process of physically or chemically altering the waste to render it less hazardous. A detailed discussion of the dilution prohibition, as well as several examples of permissible and impermissible dilution, can be found in the preamble to the Third Third Rule (55 FR 22520).

C. Storage (§268.50)

Under the LDR program, generators and permitted or interim status treatment, storage, and disposal (TSD) facilities may store restricted wastes solely for the purpose of accumulating sufficient quantities of waste to facilitate proper treatment, recovery, or disposal. If the TSD facility stores a restricted waste for more than one year, it bears the burden of proof that storage was solely for this purpose. For storage of less than one year, however, EPA bears the burden of proof.

An exception to this is liquid hazardous waste containing PCBs at concentrations greater than or equal to 50 ppm; these cannot be stored for more than one year.

In order for EPA to track the length of time LDR wastes are stored, all containers in storage must be clearly marked with the date that they entered the facility.

Wastes that are placed in storage prior to the effective date of the restrictions for that waste are not subject to the restrictions on storage. However, once taken out of storage, these wastes must meet the applicable treatment standards prior to land disposal.

D. Testing and Recordkeeping (§268.7)

The testing and recordkeeping requirements of the LDR rule reflect EPA's philosophy of tracking wastes from generation to ultimate disposal. *All restricted wastes, whether treated and disposed on-site or sent off-site to a RCRA treatment, storage, or disposal facility, are subject to the testing and recordkeeping requirements, which include notification requirements.* These requirements also apply to recycling facilities because the wastes they receive and the resulting residues may be subject to the LDR.

For example, if a cyanide plating bath is sent to a recycling facility for precious metals recovery, that waste is still subject to the LDR notification requirements.

Unless specifically excluded from the Part 268 regulations in 40 CFR Part 261 or Part 268, all shipments of hazardous wastes are subject to the notification requirements of §268.7.

1. Generator Responsibilities (§268.7)

For each hazardous waste that it generates, the generator must determine whether the waste is subject to the LDR rules.

To assist in this process, the generator should determine:

- What regulated constituents and their concentrations are present in the waste;
- All applicable EPA waste codes (see also Section IV: Characteristic Wastes);
- Which treatment standards or prohibition levels apply (depending on the subcategory of the waste and the treatability group); and
- Whether the waste must be treated or already meets the applicable treatment standard or prohibition level upon generation.

The generator can make this determination based on knowledge of the waste, or, as specified in the regulations, by conducting a total waste analysis or by testing the waste extract resulting from the Toxicity Characteristic Leaching Procedure (TCLP) (see 40 CFR 268, Appendix I). If the generator uses his knowledge of the waste to determine whether the waste is restricted from land disposal, the generator must maintain records at the facility of all supporting data used to make the determination (§268.7 (a)(5)).

The basic generator requirements can be found in the flowchart (Figure 1) on the following page. For more information regarding notification requirements, the generator should refer to the following text, Appendix A of this document, and the applicable regulations.

Numerous tables of treatment standards established for each waste code have been published in 40 CFR Part 268. Appendix B of this document (see Table 2) provides several of these tables for ease of reference.

TABLE 2. APPENDIX B CONTENTS

Title	55 FR Page No.	40 CFR Section
Constituent Concentrations in Waste Extract	22690	§268.41
Constituent Concentrations for Waste Extracts	22692	§268.41
Technology-Based Standards by RCRA Waste Code	22694	§268.42
Technology-Based Standards for Specific Radioactive Hazardous Mixed Waste	22700	§268.42
Constituent Concentrations in Wastes	22701	§268.43

Since a waste may be listed in more than one table, it is important for generators to examine every table prior to determining the appropriate treatment standard(s) for each waste generated.

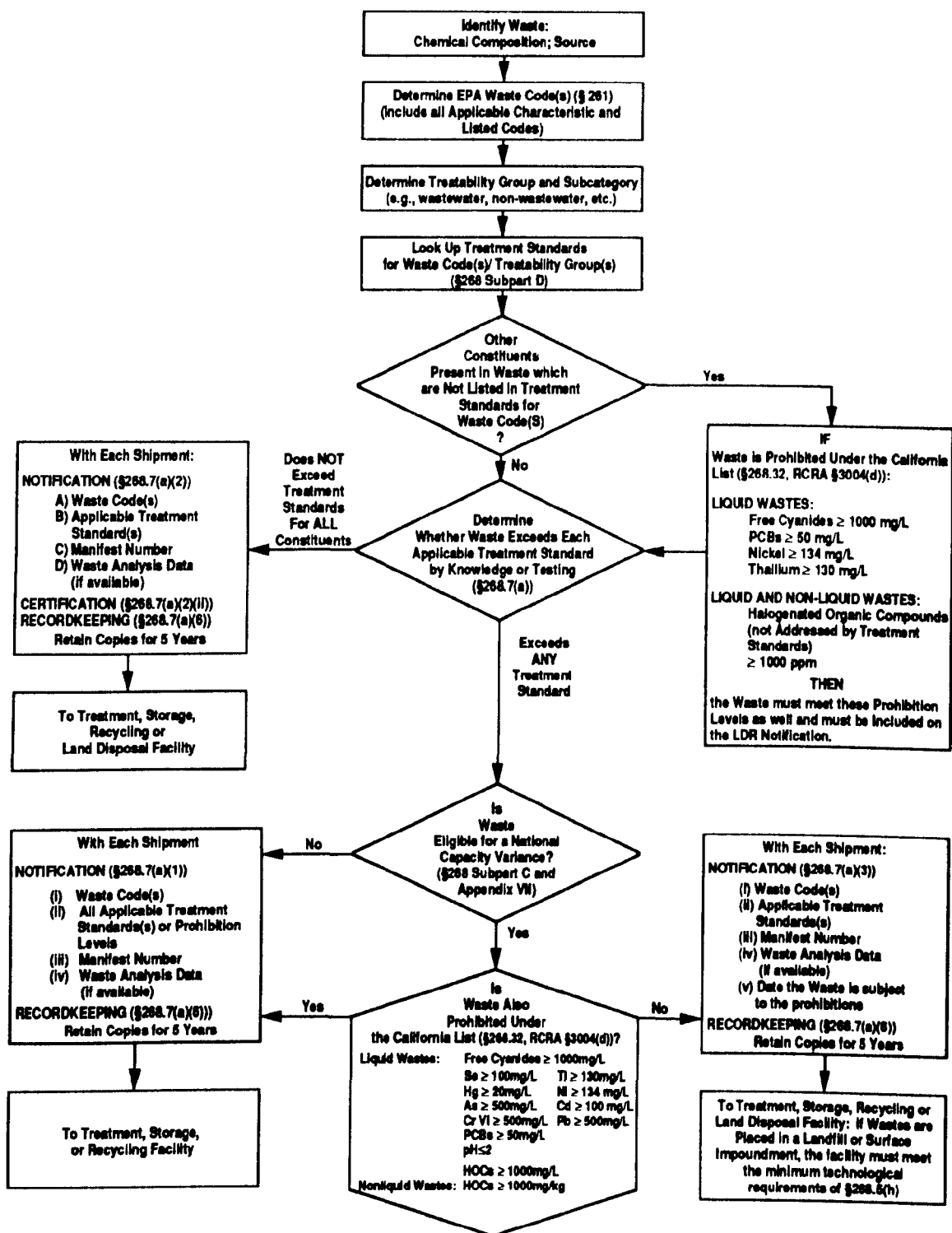


Figure 1. Generator Requirements

Note: This flowchart can be used as a guide only. For a complete discussion of the generator's notification requirements, refer to the text of this document as well as the regulations. Also, since different notifications and certifications apply for Characteristic Wastes which have been treated until rendered non-hazardous and "lab pack" waste, Section IV of this document and pertinent regulations should be consulted for additional information.

a. Wastes Not Meeting Treatment Standards

For restricted wastes that do not meet the applicable treatment standards, (i.e., concentration levels and/or specified technologies listed in Appendix B), the generator must send a notice containing the following information with each shipment to the receiving facility (§268.7(a)(1)). "Receiving facility" includes recyclers, reclaimers and incinerators, since residues from these facilities may ultimately require land disposal. (§268.7 (a)(1))

1. The EPA Hazardous Waste Number(s);
2. The applicable treatment standard(s);
3. The manifest number associated with the waste shipment; and
4. The waste analysis data (if available).

Item (2) above, "applicable treatment standard(s)", must be reported differently depending on what wastes are being shipped (§268.7 (a)(1)(ii)):

- (a) For waste codes F001-F005, F039, or waste subject to the California List (§268.32--RCRA §3004d), the treatment standard(s) specific to the constituent(s) contained in the waste and the treatability group to which it (they) belong(s) must be listed on the notification.
- (b) Treatment standards for all other restricted wastes may be referenced by including the following information on the notification:
 - (i) Subcategory of the waste (e.g., ignitable liquids, acid corrosives)
 - (ii) Treatability group(s) of the waste(s) (e.g., wastewater, nonwastewater)
 - (iii) CFR section(s) and paragraph(s) where the treatment standards appear (e.g., 40 CFR §268.41(a)).
- (c) Where the applicable treatment standards are expressed as specified technologies in §268.42, the applicable five-letter treatment code found in Table 1 of §268.42 (e.g. INCIN, WETOX) also must be listed on the notification.

b. Wastes Meeting Treatment Standards or Subject to an Extension

If the waste meets all of the applicable treatment standards, the generator may send the waste directly to a disposal facility. Regardless of where the waste is being sent, with each shipment the generator must send a notice that provides the four items outlined above.

The generator must also provide a certification signed by a representative of the company, stating that the waste meets the treatment standard(s), and that the information included in the notice is true, accurate, and complete (see 40 CFR 268.7(a)(2) and Appendix A).

Furthermore, if the treatment standard is not currently applicable, the generator is responsible for notifying the receiving facility. This notification should include the 4 items listed above in addition to the date the waste will become subject to the prohibitions (see §268.7(a)(3)).

If wastes subject to an extension to the effective date are disposed in a landfill or surface impoundment, the unit must meet the minimum technological requirements of §268.5(h).

All shipments of restricted waste are subject to the requirements of 40 CFR 268.7, including shipments to facilities outside of the U.S. and shipments of waste destined for precious metals recovery or other recycling method not specifically exempted by §261 or §268.

c. On-site Treatment of Wastes

Generators who treat, store or dispose of restricted waste on-site must comply with the recordkeeping requirements for treatment, storage and disposal facilities. All information required on the LDR notification described above, with the exception of the manifest number, must be recorded in the facility's operating record. (§§264.73, 265.73)

If a generator treats a waste in containers or tanks regulated under 40 CFR 262.34 and has treated such waste to meet applicable treatment standards, the generator must develop and follow a written waste analysis plan which describes the procedures the generator will carry out to comply with the treatment standards. The plan must be kept onsite in the generator's records and also be filed with the EPA Regional Administrator [see 40 CFR 268.7 (a)(4)]. Shipments of these wastes off-site must comply with the notification requirements of §268.7(a)(2). If a generator treats the waste, but not so that it meets the treatment standard(s), no such plan is necessary.

Note: Generators must retain copies of all notifications, certifications, and waste analysis data on-site for at least five years.

2. Treatment and Storage Facility Responsibilities (§268.7)

Treatment facilities must treat restricted wastes to the level specified by the applicable treatment standard(s) or use the specified treatment method(s).

Each treatment/storage facility is responsible for the following:

- Keeping, in its operating record, a copy of the notice and any available waste analysis data provided by the generator (§§264.73, 265.73); and

Maintaining the facility's waste analysis plan (§§264.13, 265.13). This must include:

- (1) procedures used to determine which treatment standards apply,
- (2) provisions for testing the waste or extract of the waste to determine if it meets the treatment standard(s) (Alternatively, data supplied by the generator can be used if corroborative testing is done in accordance with the waste analysis plan.), and
- (3) other procedures necessary for compliance with the LDR.

The treatment/storage facility, like the generator who ships directly to a disposal facility, must submit a notice and certification to the disposal facility. When a treatment/storage facility ships wastes to another facility for additional treatment or storage, the notice requirement also applies. Even when the treatment residue does not go directly to a land disposal facility, the facility is responsible for keeping the generator's notice in the operating record and sending a notice to the next receiving facility.

A more detailed discussion of treatment and storage facility responsibilities (more specifically, the waste analysis plan) may be found in 55 FR 22520.

3. *Land Disposal Facility Responsibilities (§268.7)*

Land disposal facilities disposing of restricted wastes must maintain generator and treatment facility notices and certifications. These facilities must also ensure that incoming wastes, extracts of waste, or treatment residues are tested using prescribed methods to ensure that such waste, extracts, or residues meet(s) applicable treatment standard(s). Such testing must be performed as specified in the facility's waste analysis plan.

Note: Certification statements required of generators, treatment facilities and land disposal facilities are included as Appendix A of this booklet.

E. Permit Program

1. *Interim Status Facilities (§270.72)*

Prior to the July 8, 1987 California List Rule, treatment facilities operating under interim status could increase their operations provided that the facility alterations and expansions did not exceed 50 percent of the capital cost of a comparable new facility. Interim status facilities are no longer limited by the 50 percent ceiling for treatment or storage of restricted wastes in tanks or containers, provided that such changes are made solely for the purpose of complying with the LDR.

2. Permitted Facilities (§270.42)

On September 28, 1988, EPA published a rule (53 FR 37912) which established a new system of procedures for permittee-initiated permit modifications (§270.42). In §270.42 specific facility changes were classified as either Class 1, 2, or 3 modifications. EPA has subsequently amended §270.42 to allow, as Class 1 modifications, certain facility changes that are necessary to comply with the LDR rule. Class 1 modifications are generally allowed without prior agency approval although, in some cases, prior agency approval is required.

Owners and operators of permitted facilities are permitted to add new waste codes, or a narrative description, to a permit as Class 1 modifications for disposal under certain conditions where the added wastes are:

- (1) restricted wastes that have been treated to meet applicable Part 268 treatment standards; or
- (2) certain wastewater treatment residues and incinerator ash.

The addition of new treatment processes (as long as those processes are necessary to meet treatment standards and the treatment processes are to take place in tanks or containers) are also allowed as a Class 1 modification, *with* prior EPA approval.

Note: It is important to recognize that a permit issued by EPA or an authorized State does not shield an owner or operator of a treatment, storage, or disposal facility from meeting the Land Disposal Restrictions requirements.

F. Variances, Extensions and Exemptions

The statute provides a few limited opportunities for delaying the effective date of prohibitions or gaining an exemption from the prohibitions.

1. National Capacity Variance (§§268.30 - 268.35)

A national capacity variance is provided when EPA determines that sufficient treatment capacity for certain waste codes is not available on a nationwide basis. When the effective date for a waste's prohibition is extended, the new effective date is listed in 40 CFR 268.30-268.35. Appendix VII of Part 268 also provides a list of LDR effective dates for surface-disposed waste. These sections should be consulted when determining whether a waste is subject a national capacity variance.

2. *Case-by-Case Extension (§268.5)*

In cases where adequate treatment capacity for a specific waste cannot reasonably be made available by the effective date of prohibition, interested parties may petition EPA for an extension of the effective date on a case-by-case basis. EPA may grant a case-by-case extension of up to one year, renewable once for a total of two years.

To be considered for a case-by-case extension, a petitioner must demonstrate that: (1) a good faith effort has been made to locate adequate treatment capacity (and no such capacity is available nationwide), (2) he/she has entered into a binding contract to construct or otherwise provide adequate capacity and (3) such capacity cannot be made available by the prohibition effective date due to circumstances beyond the petitioner's control.

All wastes receiving extensions (two-year national capacity or case-by-case) may be disposed in a landfill or surface impoundment only if such unit meets the minimum technological requirements (MTR) or is exempt from these requirements. MTR provisions require a double liner, a leachate collection system, and an adequate ground water monitoring system.

3. *Treatability Variance (§268.44)*

Generators whose wastes cannot be treated to meet the established treatment standards may petition EPA for a treatability variance. Wastes that may be eligible for a variance include unique wastes, wastes formed by inadvertent mixing, and wastes that otherwise are different in physical or chemical properties from those wastes used to set the treatment standards.

For EPA to grant a variance, a petitioner must not only successfully demonstrate that its waste is significantly different from the waste evaluated by EPA in setting the treatment standards, but that its waste cannot be treated to meet the treatment standard. The petitioner must show that attempts to treat the waste by available technologies were unsuccessful or that the waste cannot be treated by the specified technology. In granting a variance, EPA will establish a new treatability group for that waste and set a new treatment standard.

4. *Equivalent Method Variance (§268.42(b))*

Where EPA has specified a method of treatment as the treatment standard for a waste, a generator or facility may submit an application to the EPA Administrator demonstrating that an alternative treatment method can achieve performance equivalent to that of the method specified in the treatment standard. If approved, wastes treated by this method can be land disposed.

5. *No Migration Petition (§268.6)*

An additional alternative for LDR compliance is the no-migration petition. EPA will consider allowing land disposal of restricted wastes if a petitioner can demonstrate, to a reasonable degree of certainty, that such disposal will not allow migration of hazardous constituents from the disposal unit for as long as the waste remains hazardous. A successful no-migration petition will allow land disposal of a specific waste at a specific site.

Until EPA grants a treatability variance, a case-by-case extension, or a no-migration petition, the LDR regulations continue to apply to the petitioner.

EPA Guidance documents describing criteria for case-by-case extensions, variances from the treatment standards, and no-migration petitions are being prepared. (Facilities with underground injection wells may want to contact the Federal Office of Drinking Water for information on no-migration petitions in the UIC program.)

6. *Surface Impoundment Exemption (§268.4)*

EPA will exempt treatment of restricted waste in surface impoundments from the LDR under the following conditions:

- The facility samples and analyzes wastes in surface impoundments according to the facility's waste analysis plan; and
- Liquid and solid treatment residuals not meeting the treatment standards must be removed from the surface impoundment at least once every 12 months. They must be treated to meet the applicable standards before being disposed of, and may not be placed in another surface impoundment; and
- The facility keeps all records concerning such sampling and removal of wastes; and
- Evaporation of hazardous constituents is not being used as the principal method of treatment; and
- The surface impoundment meets minimum technological requirements including a double liner, leachate collection system and ground water monitoring system; or
- The surface impoundment is operating under a waiver from the requirement to retrofit surface impoundments with double liners, or under a double-liner variance for alternate systems [§§3005(j)(2) and (4), 264.221(d) and (e), 265.221(c) and (d), 264.301(d) and (e), and 265.301(c) and (d)].

Owners or operators of surface impoundments seeking an exemption for treatment of restricted wastes must certify to the EPA Regional Administrator that the impoundment meets the minimum technologies requirements, and must submit a copy of the facility's revised waste analysis plan that outlines methods for representative sampling and proper testing, frequency of removal, and methods for removal of restricted residuals.

III. SOLVENT-DIOXIN RULE

In the November 7, 1986 final rule, EPA established the framework for implementing the land disposal restrictions program. This rule restricted the land disposal of solvent- and dioxin-containing wastes, and is commonly known as the Solvent-Dioxin Rule.

A. Treatment Standards (§268.40)

The Solvent-Dioxin Rule requires that spent solvent wastes with EPA Hazardous Waste Nos. F001-F005, and dioxin wastes with Nos. F020-F023 and F026-F028 be treated prior to land disposal. Only solvents used to solubilize (dissolve) or mobilize other constituents are covered by the F001-F005 listing. A solvent is considered "spent" when it is discarded because it is no longer useable without being regenerated, reclaimed, or otherwise reprocessed. Examples of spent solvents include degreasers, cleaners, fabric scourers, diluents, extractants, and reaction and synthesis media.

B. Solvent Treatment Standards (§268.41)

Different treatment standards are established for two separate groups of solvent wastes. The groups of solvent wastes are:

- Wastewaters (defined as solvent-water mixtures containing less than 1 percent total organic carbon (TOC) by weight or less than 1 percent total solvent constituents by weight.
- All other spent solvent waste, including wastewaters containing 1 percent or more TOC, solvent-containing solids and solvent-contaminated soils.

Tables 3, 4, and 5 present solvent treatment standards for waste codes F001-F005. This information has been extracted for ease of reference from Table CCWE - Constituent Concentrations in Waste Extract, Table CCW - Constituent Concentrations in Wastes, and Table 2 - Technology-Based Standards by RCRA Waste Code which are printed in their entirety in Appendix B. These standards are based on the demonstrated performance of treatment technologies such as steam stripping, biological treatment, activated carbon treatment, and incineration.

TABLE 3. SOLVENT TREATMENT STANDARDS^a

Constituents of F001-F005 Spent Solvent Wastes	Extract Concentrations ^b (mg/l)	
	Wastewater	Other ^c
Acetone	0.05	0.59
n-Butyl alcohol	5.00	5.00
Carbon disulfide	1.05	4.81
Carbon tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresols (cresylic acid)	2.82	0.75
Cyclohexanone	0.125	0.75
1,2-Dichlorobenzene	0.65	0.125
Ethyl acetate	0.05	0.75
Ethylbenzene	0.05	0.053
Ethyl ether	0.05	0.75
Isobutanol	5.00	5.00
Methanol	0.25	0.75
Methylene chloride ^d	0.20	0.96
Methyl ethyl ketone	0.05	0.75
Methyl isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,1,2-Trichloro-1,2,2-trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

^aFor determining the applicable treatment standard, F-solvent wastewaters are defined as solvent-water mixtures containing less than 1 percent total organic carbon or less than 1 percent total solvent constituents.

^bAn extract of the waste is obtained by employing the Toxicity Characteristic Leaching Procedure (TCLP). The TCLP is an analytical method used to determine whether the concentrations of hazardous constituents in the waste extract or an extract of the treatment residual meet the treatment standards.

^cWastewaters that contain >1% TOC, solvent-containing solids, solvent-containing sludges, and solvent-contaminated soils.

^dThe treatment standard for methylene chloride in wastewaters generated from pharmaceutical plants is .44 mg/l.

TABLE 4. CCW - CONSTITUENT CONCENTRATIONS IN WASTES

Waste Code	Regulated hazardous constituent	Wastewaters concentration (mg/l) ^e	Non-wastewaters concentration (mg/kg) ^e
F001-F005 spent solvents	1,1,2-Trichloroethane	0.030	7.6
	Benzene	0.070	3.7

^eBased on Total Waste Analysis.

TABLE 5. TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE

Waste Code	Waste descriptions and/or treatment subcategory	Technology Code ^f	
		Wastewaters	Nonwastewaters
F005	2-Ethoxyethanol	BIODG; or INCIN	INCIN
F005	2-Nitropropane	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN

^fAn explanation of the technology code can be found in Table 1 of Appendix B.

C. Dioxin Treatment Standards (§268.41)

The dioxin standards are based on incineration that achieves a 99.9999 percent destruction and removal efficiency. These treatment standards can be found in Appendix B, Table CCWE - Constituent Concentrations in Waste Extract (Waste codes F020-F023 and F026-F028).

IV. FIRST THIRD RULE, SECOND THIRD RULE, THIRD THIRD RULE

Subsequent to the Solvent-Dioxin Rule and the "California List" Rule, EPA published the First Third rule of the land disposal restrictions program in the August 17, 1988 Federal Register; the rule became effective August 8, 1988. The regulation is known as the "First Third" rule because it contains provisions for one-third of the listed RCRA wastes, excluding those wastes covered by the previous two rules. The three groupings published in the May 28, 1986 Federal Register were based on toxicity and volume considerations, with the "worst" wastes being restricted first. Treatment Standards for the Second Third and Third Third wastes were published in the Federal Register on June 8, 1989 and June 1, 1990, respectively.

EPA does not require that specific technologies be used to attain the concentration-based treatment standards. Any waste treatment method, except impermissible dilution, may be used to achieve the required concentrations prior to land disposal of the waste.

As outlined in the Testing and Recordkeeping section, the specific treatment standard must appear on the LDR notification for waste codes F001-F005. This means that the appropriate constituents, as well as the appropriate treatability group and concentration level, must be identified on the notice.

Lists of wastes for which standards have been set are provided in 40 CFR 268.41, 268.42, and 268.43. As noted earlier in this booklet, several of these treatment standards have been reprinted in Appendix B for the reader's convenience. To determine all applicable treatment standards for a specific waste, generators should examine each of these lists.

A. Testing Requirements

The testing requirements for regulated wastes are based on the goals of the technology used in setting the treatment standards. For example, since stabilization was used to establish the treatment standards for waste codes listed in §268.41, Table CCWE - Constituent Concentrations in Waste Extract, the Toxicity Characteristic Leaching Procedure (TCLP) (extract method) should be used to determine whether the treatment standard has been met.

Conversely, since incineration, a thermal destruction technology, was used to develop the treatment standards for waste codes listed in §268.43 Table CCW - Constituent Concentrations in Wastes, a total waste analysis should be used to determine if the treatment standard has been attained.

In cases where waste mixtures are subject to more than one treatment standard because of the specific constituents in the mixture, the treatment standards for all the constituents will apply. In fact, it may be necessary to test a waste using more than one method to certify that all applicable treatment standards have been met. If a waste mixture is subject to different treatment standards for the same constituent, however, the more stringent treatment standard applies.

A generator may also use his/her knowledge of the waste in determining whether or not the treatment standard has been met. If, however, generator knowledge is used, supporting documentation must be kept on-site in the generator's file.

B. Characteristic Wastes (§268.9)

The Third Third Scheduled Wastes Rule (55 FR22520) established treatment standards for the characteristic waste numbers D001-D017.

Wastes which exhibit a characteristic of hazardous waste (40 CFR Part 261 Subpart C) must be treated prior to land disposal so that they no longer exhibit that characteristic. Special rules have been established in §268.9 regarding wastes that exhibit a characteristic.

If a waste is listed under both Subpart C (Characteristics of Hazardous Wastes) and Subpart D (Lists of Hazardous Wastes) of 40 CFR Part 261, a determination must be made concerning the following:

- (1) If the treatment standard for the waste code listed in Subpart D includes a treatment standard for the constituent that causes the waste to exhibit the characteristic, then the treatment standard for the listed waste (F, K, P, U wastes) will operate in lieu of the treatment standard for the characteristic waste code ("D" wastes).

For example, in an F006 metal-hydroxide sludge also exhibits the toxicity characteristic for lead (D008), the treatment standard for D008 is not applicable since the F006 treatment standard in Table CCWE includes a standard for lead.

- (2) If the waste exhibits a characteristic not addressed in the treatment standard specified in Subpart D of Part 268, the treatment standard established for the characteristic waste code ("D" waste) and the treatment standard for the listed waste (F, K, P, U wastes) must both be met.

For example, if an F001 spent solvent mixture is contaminated with and exhibits the characteristics for lead (D008), treatment standards for both the F001 and the D008 are applicable since the F001-F005 treatment standards, do not include a standard for lead.

Wastes which are hazardous by characteristics only (i.e. there is no applicable waste code listed in Part 261 Subpart D) are subject to different LDR requirements:

- (1) If a characteristic waste does not meet the Treatment Standards and is being shipped off-site, the notification requirements of §268.7(a)(1) apply, as they do with all other wastes.
- (2) If the waste is treated so that it no longer exhibits that characteristic and, thus, is no longer hazardous, the waste may be shipped to a subtitle D facility (non-hazardous land disposal facility). The generator or the treatment facility need not send a §268.7 notification to such a facility. However, a notification containing the following information must be sent to the EPA Regional Administrator:
 - (i) the name and address of the Subtitle D facility receiving the waste shipment;
 - (ii) a description of the waste as generated (including EPA waste number(s) and treatability group(s)); and
 - (iii) the treatment standards applicable to the waste at the time of generation.

A certification statement which utilizes the language in §268.7(b)(5)(i), signed by an authorized representative must accompany these notifications.

Also, when the hazardous characteristic is removed prior to disposal, or when the waste is excluded from the definition of hazardous or solid waste under 40 CFR 261.2 - 261.6, the requirements of 40 CFR 268.7(a) still apply. For example, if a characteristic waste is not prohibited because it is discharged from a wastewater treatment system pursuant to an NPDES permit, some record must still be kept indicating why the waste is not prohibited (i.e., a statement that there is no land disposal of this waste in the system should be in the facility's operating record).

The newly identified "Toxicity Characteristic" (TC) hazardous waste codes D018-D043, have yet to be restricted under the LDR. For such newly identified wastes, EPA will establish treatment standards after March 29, 1991. Until such treatment standards are established, these wastes may be disposed of without prior treatment.

Information about the newly identified wastes may be obtained by contacting the RCRA Hotline, (800) 424-9346 or Region I's TC Hotline (617) 223-5527.

C. Alternative Treatment Standards for Lab Pack Wastes (§268.7(a))

The Third Third Rule (55 FR 22520) established alternative treatment standards for shipments of specific lab pack wastes. A "lab pack" consists of miscellaneous laboratory waste repackaged in larger containers. The two types of lab packs eligible for these alternative standards are detailed in Appendix IV and V of Part 268, and are also reprinted for convenience in Appendix C of this booklet. The technology of incineration (INCIN) has been specified as a treatment standard for these Lab packs.

A notification pursuant to §268.7(a)(1) must be sent with each shipment. This notification must list all EPA waste numbers for materials contained in the lab pack sent. The applicable certification statement (§268.7(a)(7) or (8)) must also be signed and included with the notification. All notifications and certifications must be retained for 5 years.

D. Small Quantity Generator Tolling Agreements (§268.7(a)(9))

Special requirements apply for small quantity generators (SQGs) (100-1000 kg/month) engaged in tolling agreements pursuant to 40 CFR 262.20(e). A tolling agreement is a contract between an SQG and a recycling facility where the type of waste and the frequency of pick-up/shipments are specified in the agreement. All vehicles used to transport the waste and regenerated material must also be owned by the reclaimer of the waste.

SQGs with tolling agreements must comply with the applicable notification and certification requirements of §268.7(a) only for the initial shipment of the waste subject to the agreement. This notification (and certification, if applicable), as well as a copy of the agreement, must be retained on-site for at least 3 years after the termination of such an agreement.

V. CALIFORNIA LIST RULE

A. Applicability

On July 8, 1987, the EPA promulgated the second phase of the LDR program which restricts the land disposal of the California List wastes. These hazardous wastes are referred to as the California List because the State of California developed regulations to restrict the land disposal of hazardous wastes containing these constituents and Congress adopted these prohibitions in the 1984 Amendments to RCRA. Since treatment standards for all waste codes have been established subsequent to the publication of the California List, these newer standards supercede the California List treatment standards. Therefore, only under the following circumstances does the California List still apply:

- (1) During a period of national capacity variance, the California List still applies.

(If a waste code has a national capacity variance but falls under one of the California List prohibitions, that waste must be treated to those levels prior to disposal.)
- (2) California List prohibition levels for PCB containing liquid hazardous wastes and liquid hazardous wastes containing Nickel or Thallium greater than 134mg/l and 130mg/l, respectively, are still applicable.
- (3) Halogenated Organic Compounds (HOC)-containing waste identified by a characteristic property that does not involve HOCs, is subject to the California List HOC standards for incineration.

B. Regulated Materials

The California List consists of liquid hazardous wastes containing certain metals, free cyanides, polychlorinated biphenyls (PCBs), corrosives with a pH less than or equal to 2.0, and liquid and non-liquid hazardous wastes containing halogenated organic compounds (HOCs) as described below:

- (A) Liquid hazardous wastes, including free liquids associated with any solid or sludge, containing free cyanides at concentrations greater than or equal to 1,000 mg/l.
- (B) Liquid hazardous wastes, including free liquids associated with any solid or sludge, containing any of the following metals (or elements) or compounds of these metals (or elements) at concentrations greater than or equal to those specified below:

Arsenic (as As)	500 mg/l
Cadmium (as Cd)	100 mg/l
Chromium (as Cr VI)	500 mg/l
Lead (as Pb)	500 mg/l
Mercury (as Hg)	20 mg/l

Nickel (as Ni)	134 mg/l
Selenium (as Se)	100 mg/l
Thallium (as Tl)	130 mg/l

- (C) Liquid hazardous waste having a pH less than or equal to 2.0.
- (D) Liquid hazardous wastes containing PCBs at concentrations greater than or equal to 50 ppm.
- (E) Hazardous waste containing HOCs in total concentration greater than or equal to 1,000 mg/l.

The rule requires that the Paint Filter Liquids Test be used to determine whether a waste is considered to be a liquid or nonliquid. This procedure is method 9095 in EPA Publication No. SW-846, "Test Methods for Evaluating Solid Waste."

1. *Halogenated Organic Compounds (HOCs)*

HOCs subject to the LDR are listed in Appendix III of Part 268. The final rule specifies that hazardous wastes containing HOCs in total concentrations greater than or equal to 1,000 mg/l, must be incinerated in accordance with existing RCRA regulations. Again, if the HOC waste is also subject to the F-solvent restrictions or other listed waste treatment standards, the listed waste treatment standard applies, not the California List standard.

2. *Polychlorinated Biphenyls (PCBs)*

As of July 8, 1987, liquid hazardous wastes containing PCBs in concentrations exceeding 50 ppm must be incinerated or burned in high efficiency boilers in accordance with the technical standards of 40 CFR 761.70. Additionally, restricted wastes with PCBs must only be stored for up to one year providing such storage complies with §268.50

APPENDIX A
NOTIFICATION AND CERTIFICATION REQUIREMENTS

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NOTIFICATION AND CERTIFICATION REQUIREMENT SUMMARY TABLE

Scenario	Notifies Whom?	NOTIFICATION		Certifies to Whom?	CERTIFICATION	
		How Often?	Notification Must Include		How Often	Certification Must Include
• Generator manages a restricted waste that does not meet the treatment standards/prohibition levels; sends it off-site for storage or treatment (§268.7(a)(1))	Treatment storage or recycling facility	With each shipment	- EPA HW number - Corresponding treatment standard or prohibition level - Manifest number - Waste analysis data, where available	N/A	N/A	N/A
• Generator manages a restricted waste, determines waste can be land disposed without further treatment (§268.7(a)(2))	Treatment, storage, recycling, or disposal facility	With each shipment	- EPA HW number - Corresponding treatment standard or prohibition level - Manifest number - Waste analysis data, where available	TSDF	With each shipment	Statement that waste meets applicable treatment standards/prohibition levels. See "A".
• Generator's waste is subject to a case-by-case extension under §268.5, exemption under §268.6, or a nationwide variance under Subpart C (§268.7(a)(3))	Facility receiving waste (MTR unit)	With each shipment	- EPA HW number - Corresponding treatment standard and all applicable prohibitions - Manifest number - Waste analysis data, where available - The date the waste is subject to the prohibitions - Statement that waste is not prohibited from land disposal			
• Small quantity generator (100-1000 kg/month) subject to tolling agreement pursuant to §262.20(e)	Recycling facility	With initial shipment	- EPA HW number - Corresponding treatment standard or prohibition level - Manifest number - Waste analysis data, where available	Recycling facility (if waste meets the treatment standard)	With initial shipment	Statement that meets applicable treatment standards/prohibition levels. See "A".

Scenario	Notifies Whom?	Notification		Certifies to Whom?	Certification	
		How Often?	Notification Must Include		How Often	Certification Must Include
• Generator sending lab-pack containing only wastes listed in §268 Appendix IV or V	Treatment or storage facility	With each shipment	- All EPA HW numbers - Five letter technology code: INCIN - Manifest number - Waste analysis data, where available	Treatment or storage facility	With each shipment	For Appendix IV lab-packs, see "D". For Appendix V lab-packs, see "E".
• TSDs sending restricted waste off-site for additional treatment or storage (§268.7(b)(6))	Must meet same notice and certification requirements applicable to generators					
• Treatment facilities sending restricted wastes off-site to land disposal facilities (LDFs) (§268.7(b)(4))	LDFs	With each shipment	- EPA HW number - Corresponding Treatment Standard - Manifest number - Waste analysis data, where available	LDFs	With each shipment	For wastes with treatment standards expressed as concentrations, see "B". For wastes with treatment standards expressed as technologies, see "C". For wastes which have been deemed in compliance with the treatment standards based on the analytical detection limit alternative specified in §268.43(c), also include "F".

Scenario	Notifies Whom?	Notification		Certifies to Whom?	Certification	
		How Often?	Notification Must Include		How Often	Certification Must Include
• Generator or TSDF sending characteristic waste which has been rendered non-hazardous to a Subtitle D land disposal facility (§268.9)	Regional Administrator	With each shipment	- Name and address of Subtitle D facility - Description of waste, as generated - Treatment standard applicable to waste at time of generation	Regional Administrator	With each shipment	Statement that waste meets applicable treatment standards/prohibition levels. See "B".

CERTIFICATION STATEMENTS SUMMARY

Certification Statement	Initiator	Recipient	Description	40 CFR
A	Generator	Treatment, Storage or Disposal Facility	Wastes Meeting Treatment Standards	§ 268.7(a)(2)(ii)
B	Treatment Facility	Land Disposal Facility	Wastes whose Treatment Standards are listed as Concentrations § 268.41	§ 268.7(b)(5)(i)
C	Treatment or Storage Facility	Land Disposal Facility	Wastes whose Treatment Standards are listed as Technologies (§ 268.42)	§ 268.7(b)(2)(ii)
D	Generator	Treatment or Storage Facility	Appendix IV Lab Pack Wastes (organometallics)	§ 268.7(a)(7)
E	Generator	Treatment or Storage Facility	Appendix V Lab Pack Wastes (organics)	§ 268.7(a)(8)
F	Treatment Facility	Land Disposal Facility	Incinerated wastes (organic detection limit)	§ 268.7(b)(5)(iii)

CERTIFICATION STATEMENTS

- A. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment (§268.7(a)(2)(ii))
- B. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. (§268.7(b)(5)(i))
- C. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. (§268.7 (b)(5)(ii))
- D. I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only the wastes specified in Appendix IV to Part 268 or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment. (§268.7(a)(7))
- E. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste and that the lab pack contains only organic waste specified in Appendix V to Part 268 or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment. (§268.7(a)(8))
- F. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, subpart O or Part 265, subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. (§268.7(b)(5)(iii))

APPENDIX B **TREATMENT STANDARDS**

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Table CCW - Constituent Concentrations in Wastes	§268.43	22701

TABLE CCWE.—CONSTITUENT CONCENTRATIONS IN WASTE EXTRACT

Waste code	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/l)
D004.....	Table CCW in 268.43.....	Arsenic.....	7440-38-2	NA	5.0#
D005.....	Table CCW in 268.43.....	Barium.....	7440-39-3	NA	100
D006.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	1.0
D007.....	Table CCW in 268.43.....	Chromium (Total).....	7440-47-32	NA	5.0
D008.....	Table CCW in 268.43.....	Lead.....	7439-92-1	NA	5.0
D009 (Low Mercury Subcategory—less than 260 mg/kg Mercury).....	Table 2 in 268.42 and Table CCW in 268.43.....	Mercury.....	7439-97-6	NA	0.20
D010.....	Table CCW in 268.43.....	Selenium.....	7782-49-2	NA	5.7
D011.....	Table CCW in 268.43.....	Silver.....	7440-22-4	NA	5.0
F001–F005 spent solvents.....	Table 2 in 268.42 and Table CCW in 268.43.....	Acetone.....	67-64-1	0.05	0.59
		n-Butyl alcohol.....	71-36-3	5.0	5.0
		Carbon disulfide.....	75-15-0	1.05	4.81
		Carbon tetrachloride.....	56-23-5	0.05	0.96
		Chlorobenzene.....	108-90-7	0.15	0.05
		Cresols (3rd cresylic acid).....		2.82	0.75
		Cyclohexanone.....	108-94-1	0.125	0.75
		1,2-Dichlorobenzene.....	95-50-1	0.65	0.125
		Ethyl acetate.....	141-78-6	0.05	0.75
		Ethylbenzene.....	100-41-4	0.05	0.053
		Ethyl ether.....	60-29-7	0.05	0.75
		Isobutanol.....	78-83-1	5.0	5.0
		Methanol.....	67-58-1	0.25	0.75
		Methylene chloride.....	75-9-2	0.20	0.96
		Methyl ethyl ketone.....	78-93-3	0.05	0.75
		Methyl isobutyl ketone.....	108-10-1	0.05	0.33
		Nitrobenzene.....	98-95-3	0.68	0.125
		Pyridine.....	110-86-1	1.12	0.33
		Tetrachloroethylene.....	127-18-4	0.079	0.05
		Toluene.....	108-88-3	1.12	0.33
		1,1,1-Trichloroethane.....	71-55-6	1.05	0.41
		1,1,2-Trichloro-1,2,2-Tetrafluoroethane.....	78-13-1	1.05	0.96
		Trichloroethylene.....	79-01-8	0.062	0.091
		Trichlorofluoromethane.....	75-69-4	0.05	0.96
		Xylene.....		0.05	0.15
F006.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	0.066
		Chromium (Total).....	7440-47-32	NA	5.2
		Lead.....	7439-92-1	NA	0.51
		Nickel.....	7440-02-0	NA	0.32
		Silver.....	7440-22-4	NA	0.072
F007.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	0.066
		Chromium (Total).....	7440-47-32	NA	5.2
		Lead.....	7439-92-1	NA	0.51
		Nickel.....	7440-02-0	NA	0.32
		Silver.....	7440-22-4	NA	0.072
F008.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	0.066
		Chromium (Total).....	7440-47-32	NA	5.2
		Lead.....	7439-92-1	NA	0.51
		Nickel.....	7440-02-0	NA	0.32
		Silver.....	7440-22-4	NA	0.072
F009.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	0.066
		Chromium (Total).....	7440-47-32	NA	5.2
		Lead.....	7439-92-1	NA	0.51
		Nickel.....	7440-02-0	NA	0.32
		Silver.....	7440-22-4	NA	0.072
F011.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	0.066
		Chromium (Total).....	7440-47-32	NA	5.2
		Lead.....	7439-92-1	NA	0.51
		Nickel.....	7440-02-0	NA	0.32
		Silver.....	7440-22-4	NA	0.072
F012.....	Table CCW in 268.43.....	Cadmium.....	7440-43-9	NA	0.066
		Chromium (Total).....	7440-47-32	NA	5.2
		Lead.....	7439-92-1	NA	0.51
		Nickel.....	7440-02-0	NA	0.32
		Silver.....	7440-22-4	NA	0.072
F019.....	Table CCW in 268.43.....	Chromium (Total).....	7440-47-32	NA	5.2
F020–F023 and F026–F028 dioxin containing wastes.*.....		HxCDD-All Hexachlorodibenzo-p-dioxins.....		<1 ppb	<1 ppb
		HxCDF-All Hexachlorodibenzofurans.....		<1 ppb	<1 ppb
		PxCDD-All Pentachlorodibenzo-p-dioxins.....		<1 ppb	<1 ppb
		PxCDF-All Pentachlorodibenzofurans.....		<1 ppb	<1 ppb
		TCDD-All Tetrachlorodibenzo-p-dioxins.....		<1 ppb	<1 ppb
		TCDF-All Tetrachlorodibenzofurans.....		<1 ppb	<1 ppb
		2,4,5-Trichlorophenol.....	95-95-4	<0.05 ppm	<0.05 ppm
		2,4,6-Trichlorophenol.....	88-06-2	<0.05 ppm	<0.05 ppm

TABLE CCWE.—CONSTITUENT CONCENTRATIONS IN WASTE EXTRACT—Continued

Waste code	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/l)
F024	Table CCW in 268.43	2,3,4,6-Tetrachlorophenol	58-80-2	<0.05 ppm	<0.05 ppm
		Pentachlorophenol	87-86-5	<0.01 ppm	<0.01 ppm
		Chromium (Total)	7440-47-32	NA	0.073
		Lead	7439-92-1	NA	0.021
F039	Table CCW in 268.43	Nickel	7440-02-0	NA	0.088
		Antimony	7440-36-0	NA	0.23
		Arsenic	7440-38-2	NA	5.0
		Barium	7440-39-3	NA	52
		Cadmium	7440-43-8	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
		Mercury	7439-97-6	NA	0.025
		Nickel	7440-02-0	NA	0.32
		Selenium	7782-49-2	NA	5.7
		Silver	7440-22-4	NA	0.072
		Lead	7439-92-1	NA	0.51
K001	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
K002	Table CCW in 268.43	Lead	7439-92-1	NA	0.37
K003	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
K004	Table CCW in 268.43	Lead	7439-92-1	NA	0.37
K005	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
K006 (anhydrous)	Table CCW in 268.43	Lead	7439-92-1	NA	0.37
K006 (hydrated)	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
K007	Table CCW in 268.43	Lead	7439-92-1	NA	0.37
K008	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
K015	Table CCW in 268.43	Lead	7439-92-1	NA	0.37
K021	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7
K022	Table CCW in 268.43	Lead	7439-92-1	NA	0.2
K028	Table CCW in 268.43	Antimony	7440-36-0	NA	0.23#
		Chromium (Total)	7440-47-32	NA	5.2
		Nickel	7440-02-0	NA	0.32
		Chromium (Total)	7440-47-32	NA	0.073
		Lead	7439-92-1	NA	0.021
		Nickel	7440-02-0	NA	0.088
K031	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6#
K046	Table CCW in 268.43	Lead	7439-92-1	NA	0.16
K048	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
K049	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
K050	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
K051	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
K052	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	1.7
		Nickel	7440-02-0	NA	0.20
K061 (Low Zinc Subcategory—less than 15% Total Zinc)	Table CCW in 268.43	Cadmium	7440-43-8	NA	0.14
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.24
		Nickel	7440-02-0	NA	0.32
K062	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K069 (Calcium Sulfate Subcategory)	Table 2 in 268.42 and Table CCW in 268.43	Cadmium	7440-43-8	NA	0.14
		Lead	7439-92-1	NA	0.24
K071 (Low Mercury Subcategory—less than 16 mg/kg Mercury)	Table CCW in 268.43	Mercury	7439-97-6	NA	0.025
K083	Table CCW in 268.43	Nickel	7440-02-0	NA	0.088
K084	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6#
K086	Table CCW in 268.43	Chromium (Total)	7440-47-32	NA	0.094
		Lead	7439-92-1	NA	0.37
K087	Table CCW in 268.43	Lead	7439-92-1	NA	0.51
K100	Table CCW in 268.43	Cadmium	7440-43-8	NA	0.066
		Chromium (Total)	7440-47-32	NA	5.2
		Lead	7439-92-1	NA	0.51
K101	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6#
K102	Table CCW in 268.43	Arsenic	7440-38-2	NA	5.6#
K106 (Low Mercury Subcategory—less than 260 mg/kg Mercury—residues from RMERC)	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.025
K106 (Low Mercury Subcategory—less than 260 mg/kg Mercury—that are not residues from RMERC)	Table 2 in 268.42 and Table CCW in 268.43	Mercury	7439-97-6	NA	0.025

TABLE CCWE.—CONSTITUENT CONCENTRATIONS IN WASTE EXTRACT—Continued

Waste code	See also	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters concentration (mg/l)	Non-wastewaters concentration (mg/l)
K115.....	Table CCW.....	Nickel.....	7440-02-0	NA	0.32

*—These treatment standards have been based on EP Leachate analysis but this does not preclude the use of TCLP analysis.

*—These waste codes are not subcategorized into wastewaters and nonwastewaters.

NA—Not Applicable.

TABLE CCWE.—CONSTITUENT CONCENTRATIONS FOR WASTE EXTRACTS

Waste code	See also	Commercial chemical name	Regulated hazardous constituent	CAS number for regulated hazardous constituent	Wastewaters concentration (mg/l)	Non-wastewaters concentration (mg/l)
P010.....	Table CCW in 268.43.....	Arsenic acid.....	Arsenic.....	7440-38-2	NA	5.6
P011.....	Table CCW in 268.43.....	Arsenic pentoxide.....	Arsenic.....	7440-38-2	NA	5.6
P012.....	Table CCW in 268.43.....	Arsenic trioxide.....	Arsenic.....	7440-38-2	NA	5.6
P013.....	Table CCW in 268.43.....	Barium cyanide.....	Barium.....	7440-39-3	NA	52
P036.....	Table CCW in 268.43.....	Dichlorophenylarsine.....	Arsenic.....	7440-38-2	NA	5.6
P038.....	Table CCW in 268.43.....	Diethylarsine.....	Arsenic.....	7440-38-2	NA	5.6
P065 (Low Mercury Subcategory—less than 260 mg/kg Mercury—residues from RMERC).	Table 2 in 268.42 and Table CCW in 268.43.....	Mercury fulminate.....	Mercury.....	7439-97-6	NA	0.20
P065 (Low Mercury Subcategory—less than 260 mg/kg Mercury-incinerator residues (and are not residues from RMERC)).	Table 2 in 268.42 and Table CCW in 268.43.....	Mercury fulminate.....	Mercury.....	7439-97-6	NA	0.025
P073.....	Table CCW in 268.43.....	Nickel carbonyl.....	Nickel.....	7440-02-0	NA	0.32
P074.....	Table CCW in 268.43.....	Nickel cyanide.....	Nickel.....	7440-02-0	NA	0.32
P092 (Low Mercury Subcategory—less than 260 mg/kg Mercury residues from RMERC).	Table 2 in 268.42 and Table CCW in 268.43.....	Phenyl mercury acetate.....	Mercury.....	7439-97-6	NA	0.20
P092 (Low Mercury Subcategory—less than 260 mg/kg Mercury-incinerator residues (and are not residues from RMERC)).	Table 2 in 268.42 and Table CCW in 268.43.....	Phenyl mercury acetate.....	Mercury.....	7439-97-6	NA	0.025
P099.....	Table CCW in 268.43.....	Potassium silver cyanide.....	Silver.....	7440-22-4	NA	0.072
P103.....	Table CCW in 268.43.....	Selenourea.....	Selenium.....	7782-49-2	NA	5.7
P104.....	Table CCW in 268.43.....	Silver cyanide.....	Silver.....	7440-22-4	NA	0.072
P110.....	Table CCW in 268.43.....	Tetraethyl lead.....	Lead.....	7439-92-1	NA	0.51
P114.....	Table CCW in 268.43.....	Thallium selenite.....	Selenium.....	7782-49-2	NA	5.7
U032.....	Table CCW in 268.43.....	Calcium chromate.....	Chromium (Total).....	7440-47-32	NA	0.094
U051.....	Table CCW in 268.43.....	Creosote.....	Lead.....	7439-92-1	NA	0.51
U136.....	Table CCW in 268.43.....	Cacodylic acid.....	Arsenic.....	7440-38-2	NA	5.6
U144.....	Table CCW in 268.43.....	Lead acetate.....	Lead.....	7439-92-1	NA	0.51
U145.....	Table CCW in 268.43.....	Lead phosphate.....	Lead.....	7439-92-1	NA	0.51
U146.....	Table CCW in 268.43.....	Lead subacetate.....	Lead.....	7439-92-1	NA	0.51
U151 (Low Mercury Subcategory—less than 260 mg/kg Mercury—residues from RMERC).	Table CCW in 268.43 and in Table 2 in 268.42.....	Mercury.....	Mercury.....	7439-97-6	NA	0.20
U151 (Low Mercury Subcategory—less than 260 mg/kg Mercury—that are not residues from RMERC).	Table CCW in 268.43 and Table 2 in 268.42.....	Mercury.....	Mercury.....	7439-97-6	NA	0.025
U204.....	Table CCW in 268.43.....	Selenium dioxide.....	Selenium.....	7782-49-2	NA	5.7
U205.....	Table CCW in 268.43.....	Selenium sulfide.....	Selenium.....	7782-49-2	NA	5.7

—These treatment standards have been based on EP Leachate analysis but this does not preclude the use of TCLP analysis.

*—These waste codes are not subcategorized into wastewaters and nonwastewaters.

NA—Not Applicable.

TABLE 1.—TECHNOLOGY CODES AND DESCRIPTION OF TECHNOLOGY-BASED STANDARDS

Technology code	Description of technology-based standard
ADGAS	Venting of compressed gases into an absorbing or reacting media (i.e., solid or liquid)—venting can be accomplished through physical release utilizing valves/piping; physical penetration of the container; and/or penetration through detonation.
AMLGM	Amalgamation of liquid, elemental mercury contaminated with radioactive materials utilizing inorganic reagents such as copper, zinc, nickel, gold, and sulfur that result in a nonliquid, semi-solid amalgam and thereby reducing potential emissions of elemental mercury vapors to the air.
BIODG	Biodegradation of organics or non-metallic inorganics (i.e., degradable inorganics that contain the elements of phosphorus, nitrogen, and sulfur) in units operated under either aerobic or anaerobic conditions such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the biodegradation of many organic constituents that cannot be directly analyzed in wastewater residues).
CARBN	Carbon adsorption (granulated or powdered) of non-metallic inorganics, organo-metallics, and/or organic constituents, operated such that a surrogate compound or indicator parameter has not undergone breakthrough (e.g., Total Organic Carbon can often be used as an indicator parameter for the adsorption of many organic constituents that cannot be directly analyzed in wastewater residues). Breakthrough occurs when the carbon has become saturated with the constituent (or indicator parameter) and substantial change in adsorption rate associated with that constituent occurs.
CHOXD	Chemical or electrolytic oxidation utilizing the following oxidation reagents (or waste reagents) or combinations of reagents: (1) Hypochlorite (e.g. bleach); (2) chlorine; (3) chlorine dioxide; (4) ozone or UV (ultraviolet light) assisted ozone; (5) peroxides; (6) persulfates; (7) perchlorates; (8) permanganates; and/or (9) other oxidizing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues). Chemical oxidation specifically includes what is commonly referred to as alkaline chlorination.
CHRED	Chemical reduction utilizing the following reducing reagents (or waste reagents) or combinations of reagents: (1) Sulfur dioxide; (2) sodium, potassium, or alkali salts of sulfites, bisulfites, metabisulfites, and polyethylene glycols (e.g., NaPEG and KPEG); (3) sodium hydrosulfide; (4) ferrous salts; and/or (5) other reducing reagents of equivalent efficiency, performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Halogens can often be used as an indicator parameter for the reduction of many halogenated organic constituents that cannot be directly analyzed in wastewater residues). Chemical reduction is commonly used for the reduction of hexavalent chromium to the trivalent state.
DEACT	Deactivation to remove the hazardous characteristics of a waste due to its ignitability, corrosivity, and/or reactivity.
FSUBS	Fuel substitution in units operated in accordance with applicable technical operating requirements.
HLVIT	Vitrification of high level mixed radioactive wastes in units in compliance with all applicable radioactive protection requirements under control of the Nuclear Regulatory Commission.
IMERC:	Incineration of wastes containing organics and mercury in units operated in accordance with the technical operating requirements of 40 CFR part 264, subpart O and 40 CFR part 265, subpart O. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., High or Low Mercury Subcategories).
INCIN	Incineration in units operated in accordance with the technical operating requirements of 40 CFR part 264, subpart O and 40 CFR part 265, subpart O.
LLEXT	Liquid-liquid extraction (often referred to as solvent extraction) of organics from liquid wastes into an immiscible solvent for which the hazardous constituents have a greater solvent affinity, resulting in an extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery/reuse and a raffinate (extracted liquid waste) proportionately low in organics that must undergo further treatment as specified in the standard.
MACRO	Macroencapsulation with surface coating materials such as polymeric organics (e.g. resins and plastics) or with a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media. Macroencapsulation specifically does not include any material that would be classified as a tank or container according to 40 CFR 280.10.
NEUTR	Neutralization with the following reagents (or waste reagents) or combinations of reagents: (1) Acids; (2) bases; or (3) water (including wastewaters) resulting in a pH greater than 2 but less than 12.5 as measured in the aqueous residuals.
NLDBR	No land disposal based on recycling.
PRECP	Chemical precipitation of metals and other inorganics as insoluble precipitates of oxides, hydroxides, carbonates, sulfides, sulfates, chlorides, fluorides, or phosphates. The following reagents (or waste reagents) are typically used alone or in combination: (1) Lime (i.e., containing oxides and/or hydroxides of calcium and/or magnesium); (2) caustic (i.e., sodium and/or potassium hydroxides); (3) soda ash (i.e., sodium carbonate); (4) sodium sulfide; (5) ferric sulfate or ferric chloride; (6) alum; or (7) sodium sulfate. Additional flocculating, coagulation, or similar reagents/processes that enhance sludge dewatering characteristics are not precluded from use.
RBERY	Thermal recovery of Beryllium.
RCGAS	Recovery/reuse of compressed gases including techniques such as reprocessing of the gases for reuse/resale; filtering/adsorption of impurities; reusing for direct reuse of resale; and use of the gas as a fuel source.
RCORR	Recovery of acids or bases utilizing one or more of the following recovery technologies: (1) Distillation (i.e., thermal concentration); (2) ion exchange; (3) resin or solid adsorption; (4) reverse osmosis; and/or (5) incineration for the recovery of acid—Note: this does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
RLEAD	Thermal recovery of lead in secondary lead smelters.
RMERC	Retorting or roasting in a thermal processing unit capable of volatilizing mercury and subsequently condensing the volatilized mercury for recovery. The retorting or roasting unit (or facility) must be subject to one or more of the following: (a) A National Emissions Standard for Hazardous Air Pollutants (NESHAP) for mercury; (b) a Best Available Control Technology (BACT) or a Lowest Achievable Emission Rate (LAER) standard for mercury imposed pursuant to a Prevention of Significant Deterioration (PSD) permit; or (c) a state permit that establishes emission limitations (within meaning of Section 302 of the Clean Air Act) for mercury. All wastewater and nonwastewater residues derived from this process must then comply with the corresponding treatment standards per waste code with consideration of any applicable subcategories (e.g., High or Low Mercury Subcategories).
RMETL	Recovery of metals or inorganics utilizing one or more of the following direct physical/removal technologies: (1) Ion exchange; (2) resin or solid (i.e., zeolites) adsorption; (3) reverse osmosis; (4) chelation/solvent extraction; (5) freeze crystallization; (6) ultrafiltration; and/or (6) simple precipitation (i.e., crystallization)—Note: this does not preclude the use of other physical phase separation or concentration techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
RORGS	Recovery of organics utilizing one or more of the following technologies: (1) Distillation; (2) thin film evaporation; (3) steam stripping; (4) carbon adsorption; (5) critical fluid extraction; (6) liquid-liquid extraction; (7) precipitation/crystallization (including freeze crystallization); or (8) chemical phase separation techniques (i.e., addition of acids, bases, demulsifiers, or similar chemicals); Note: This does not preclude the use of other physical phase separation techniques such as decantation, filtration (including ultrafiltration), and centrifugation, when used in conjunction with the above listed recovery technologies.
RTHRA	Thermal recovery of metals or inorganics from nonwastewaters in units defined in 40 CFR 260.10, paragraphs (1), (6), (7), (11), and (12), under the definition of "industrial furnaces".

TABLE 1.—TECHNOLOGY CODES AND DESCRIPTION OF TECHNOLOGY-BASED STANDARDS—Continued

Technology code	Description of technology-based standard
RZINC	Resmelting in for the purpose of recovery of zinc high temperature metal recovery units.
STABI	Stabilization with the following reagents (or waste reagents) or combinations of reagents: (1) Portland cement; or (2) lime/pozzolans (e.g., fly ash and cement kiln dust)—this does not preclude the addition of reagents (e.g., iron salts, silicates, and clays) designed to enhance the set/cure time and/or compressive strength, or to overall reduce the leachability of the metal or inorganic.
SSTRP	Steam stripping of organics from liquid wastes utilizing direct application of steam to the wastes operated such that liquid and vapor flow rates, as well as, temperature and pressure ranges have been optimized, monitored, and maintained. These operating parameters are dependent upon the design parameters of the unit such as, the number of separation stages and the internal column design. Thus, resulting in a condensed extract high in organics that must undergo either incineration, reuse as a fuel, or other recovery/reuse and an extracted wastewater that must undergo further treatment as specified in the standard.
WETOX	Wet air oxidation performed in units operated such that a surrogate compound or indicator parameter has been substantially reduced in concentration in the residuals (e.g., Total Organic Carbon can often be used as an indicator parameter for the oxidation of many organic constituents that cannot be directly analyzed in wastewater residues).
WTRRX	Controlled reaction with water for highly reactive inorganic or organic chemicals with precautionary controls for protection of workers from potential violent reactions as well as precautionary controls for potential emissions of toxic/ignitable levels of gases released during the reaction.

NOTE 1: When a combination of these technologies (i.e., a treatment train) is specified as a single treatment standard, the order of application is specified in § 268.42. Table 2 by indicating the five letter technology code that must be applied first, then the designation "fb." (an abbreviation for "followed by"), then the five letter technology code for the technology that must be applied next, and so on.

NOTE 2: When more than one technology (or treatment train) are specified as *alternative* treatment standards, the five letter technology codes (or the treatment trains) are separated by a semicolon (;) with the last technology preceded by the word "OR". This indicates that any one of these BDAT technologies or treatment trains can be used for compliance with the standard.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
D001		Ignitable Liquids based on 261.21(a)(1)—Wastewaters.	NA	DEACT	NA.
D001		Ignitable Liquids based on 261.21(a)(1)—Low TOC Ignitable Liquids Subcategory—Less than 10% total organic carbon.	NA	NA	DEACT.
D001		Ignitable Liquids based on 261.21(a)(1)—High TOC Ignitable Liquids Subcategory—Greater than or equal to 10% total organic carbon.	NA	NA	FSUBS; RORGS; or INCIN.
D001		Ignitable compressed gases based on 261.21(a)(3).	NA	NA	DEACT**.
D001		Ignitable reactives 261.21(a)(2)	NA	NA	DEACT.
D001		Oxidizers based on 261.21(a)(4)	NA	DEACT	DEACT.
D002		Acid subcategory based on 261.22(a)(1)	NA	DEACT	DEACT.
D002		Alkaline subcategory based on 261.22(a)(1)	NA	DEACT	DEACT.
D002		Other corrosives based on 261.22(a)(2)	NA	DEACT	DEACT.
D003		Reactive sulfides based on 261.23(a)(5)	NA	DEACT	DEACT.
D003		Explosives based on 261.23(a) (6), (7), and (8)	NA	DEACT	DEACT.
D003		Water reactives based on 261.23(a) (2), (3), and (4).	NA	NA	DEACT.
D003		Other reactives based on 261.23(a)(1)	NA	DEACT	DEACT.
D006		Cadmium containing batteries	7440-43-9	NA	RTHRM.
D008		Lead acid batteries (Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal restrictions of 40 CFR 268 or exempted under other EPA regulations (see 40 CFR 266.90).).	7439-92-1	NA	RLEAD.
D009	Table CCWE in 268.41 and Table CCW in 268.43.	Mercury: (High Mercury Subcategory—greater than or equal to 260 mg/kg total Mercury—contains mercury and organics (and are not incinerator residues)).	7439-97-8	NA	IMERC; or RMERC.
D009	Table CCWE in 268.41 and Table CCW in 268.43.	Mercury: (High Mercury Subcategory—greater than or equal to 260 mg/kg total Mercury—mercurials (including incinerator residues and residues from RMERC)).	7439-97-8	NA	RMERC.
D012	Table CCW in 268.43.	Endrin	72-20-8	BIODG; or INCIN	NA.
D013	Table CCW in 268.43.	Lindane	58-89-9	CARBN; or INCIN	NA.
D014	Table CCW in 268.43.	Methoxychlor	72-43-5	WETOX; or INCIN	NA.
D015	Table CCW in 268.43.	Toxaphene	8001-35-1	BIODG; or INCIN	NA.
D016	Table CCW in 268.43.	2,4-D	94-75-7	CHOXD; BIODG; or INCIN	NA.
D017	Table CCW in 268.43.	2,4,5-TP	93-72-1	CHOXD; or INCIN	NA.
F005	Table CCWE in 268.41 and Table CCW in 268.43.	2-Nitropropane	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE—Continued

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
F005	Table CCWE in 268.41 and Table CCW in 268.43.	2-Ethoxyethanol.....	110-80-5	BIODG; or INCIN	INCIN.
F024			NA	INCIN	INCIN.
K025	Table CCWE in 268.41 and Table CCW in 268.43.	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	NA	LLEXT to SSTRP to CARBN; or INCIN	INCIN.
K026		Stripping still tails from the production of methyl ethyl pyridines.	NA	INCIN	INCIN.
K027		Centrifuge and distillation residues from toluene diisocyanate production.	NA	CARBN; or INCIN	FSUBS; or INCIN.
K039		Filter cake from the filtration of diethylphosphorodithioc acid in the production of phorate.	NA	CARBN; or INCIN	FSUBS; or INCIN.
K044		Wastewater treatment sludges from the manufacturing and processing of explosives.	NA	DEACT	DEACT.
K045		Spent carbon from the treatment of wastewater containing explosives.	NA	DEACT	DEACT.
K047	Table CCW in 268.43.	Pink/red water from TNT operations.....	NA	DEACT	DEACT.
K061		Emission control dust/sludge from the primary production of steel in electric furnaces (High Zinc Subcategory—greater than or equal to 15% total Zinc).	NA	NA	NLDBR.
K069	Table CCWE in 268.41 and Table CCW in 268.43.	Emission control dust/sludge from secondary lead smelting: Non-Calcium Sulfate Subcategory.	NA	NA	RLEAD.
K106	Table CCWE in 268.41 and Table CCW in 268.43.	Wastewater treatment sludge from the mercury cell process in chlorine production: (High Mercury Subcategory—greater than or equal to 260 mg/kg total mercury).	NA	NA	RMERC.
K113		Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	CARBN; or INCIN	FSUBS; or INCIN.
K114		Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	CARBN; or INCIN	FSUBS; or INCIN.
K115		Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	NA	CARBN; or INCIN	FSUBS; or INCIN.
K116		Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.	NA	CARBN; or INCIN	FSUBS; or INCIN.
P001		Warfarin (>0.3%).....	81-81-2	(WETOX or CHOXD) to CARBN; or INCIN	FSUBS; or INCIN.
P002		1-Acetyl-2-thiourea.....	591-08-2	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P003		Acrolein.....	107-02-8	(WETOX or CHOXD) to CARBN; or INCIN	FSUBS; or INCIN.
P005		Allyl alcohol.....	107-18-6	(WETOX or CHOXD) to CARBN; or INCIN	FSUBS; or INCIN.
P006		Aluminum phosphide.....	20859-73-8	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN.
P007		5-Aminoethyl 3-isoxazolid.....	2763-96-4	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P008		4-Aminopyridine.....	504-24-5	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P009		Ammonium picrate.....	131-74-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
P014		Triphenol (Benzene thiol).....	108-98-5	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P015		Beryllium dust.....	7440-41-7	NA	RMETL; or RTHRM.
P016		Bis(chloromethyl)ether.....	542-88-1	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P017		Bromoacetone.....	598-31-2	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P018		Brucine.....	357-57-3	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P022	Table CCW in 268.43.	Carbon disulfide.....	75-15-0	NA	INCIN.
P023		Chloroacetaldehyde.....	107-20-0	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P026		1-(o-Chlorophenyl) thiourea.....	5344-82-1	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P027		3-Chloropropionitrile.....	542-78-7	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.
P028		Benzyl chloride.....	100-44-7	(WETOX or CHOXD) to CARBN; or INCIN	INCIN.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE—Continued

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
P031		Cyanogen.....	460-19-5	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN.
P033		Cyanogen chloride.....	506-77-4	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN.
P034		2-Cyclohexyl-4,6-dinitrophenol.....	131-89-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P040		0,0-Diethyl 0-pyrazinyl phosphorothioate.....	297-97-2	CARBN; or INCIN	FSUBS; or INCIN.
P041		Diethyl-p-nitrophenyl phosphate.....	311-45-5	CARBN; or INCIN	FSUBS; or INCIN.
P042		Epinephrine.....	51-43-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P043		Diisopropylfluorophosphate (DFP).....	55-91-4	CARBN; or INCIN	FSUBS; or INCIN.
P044		Dimethoate.....	60-51-5	CARBN; or INCIN	FSUBS; or INCIN.
P045		Thiofanox.....	39196-18-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P046		alpha, alpha-Dimethylphenethylamine.....	122-09-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P047		4,6-Dinitro-o-cresol salts.....	534-52-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P049		2,4-Dithioburet.....	541-53-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P054		Azidine.....	151-56-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P056	Table CCW in 268.43.....	Fluonne.....	7782-41-4	NA	ADGAS fb NEUTR.
P057		Fluoroacetamide.....	640-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P058		Fluoroacetic acid, sodium salt.....	62-74-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P062		Hexaethyltetraphosphate.....	757-58-4	CARBN; or INCIN	FSUBS; or INCIN.
P064		Isocyanic acid, ethyl ester.....	624-83-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P065	Table CCWE in 268.41 and Table CCW in 268.43.....	Mercury fulminate: (High Mercury Subcategory—greater than or equal to 260 mg/kg total Mercury—either incinerator residues or residues from RMERC).	628-86-4	NA	RMERC.
P065	Table CCWE in 268.41 and Table CCW in 268.43.....	Mercury fulminate: (All nonwastewaters that are not incinerator residues from RMERC; regardless of Mercury Content).	628-86-4	NA	IMERC.
P066		Methomyl.....	16752-77-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P067		2-Methylaziridine.....	75-55-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P068		Methyl hydrazine.....	60-34-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
P069		Methylacetonitrile.....	75-86-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P070		Aldicarb.....	116-06-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P072		1-Naphthyl-2-thiourea.....	86-88-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P075		Nicotine and salts.....	54-11-5*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P076		Nitric oxide.....	10102-43-9	ADGAS	ADGAS.
P078		Nitrogen dioxide.....	10102-44-0	ADGAS	ADGAS.
P081		Nitroglycerin.....	55-63-0	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
P082	Table CCW in 268.43.....	N-Nitrosodimethylamine.....	62-75-9	NA	INCIN.
P084		N-Nitrosomethylvinylamine.....	4549-40-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P085		Octamethylpyrophosphoramide.....	152-16-9	CARBN; or INCIN	FSUBS; or INCIN.
P087		Osmium tetroxide.....	20816-12-0	NA	RMETL; or RTHAM.
P088		Endothal.....	145-73-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
P092	Table CCWE in 268.41 and Table CCW in 268.43.....	Phenyl mercury acetate: (High Mercury Subcategory—greater than or equal to 260 mg/kg total Mercury—either incinerator residues or residues from RMERC).	62-38-4	NA	RMERC.
P092	Table CCWE in 268.41 and Table CCW in 268.43.....	Phenyl mercury acetate: (All nonwastewaters that are not incinerator residues and are not residues from RMERC; regardless of Mercury Content).	62-38-4	NA	IMERC; or RMERC.
P093		N-Phenylthiourea.....	103-85-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P095		Phosgene.....	75-44-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P096		Phosphine.....	7803-51-2	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE—Continued

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
P102		Propargyl alcohol.....	107-19-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
P105		Sodium azide.....	26628-22-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
P108		Strychnine and salts.....	57-24-9*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P109		Tetraethyldithiopyrophosphate.....	3689-24-5	CARBN; or INCIN	FSUBS; or INCIN.
P112		Tetranitromethane.....	509-14-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
P113	Table CCW in 268.43.....	Thallic oxide.....	1314-32-5	NA	RTHRM; or STABL
P115	Table CCW in 268.43.....	Thallium (I) sulfate.....	7446-18-6	NA	RTHRM; or STABL
P116		Thiosemicarbazide.....	79-19-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P118		Trichloromethanethiol.....	75-70-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
P119	Table CCW in 268.43.....	Ammonium vanadate.....	7803-55-6	NA	STABL.
P120	Table CCW in 268.43.....	Vanadium pentoxide.....	1314-62-1	NA	STABL.
P122		Zinc Phosphide (<10%).....	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN.
U001		Acetaldehyde.....	75-07-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U003	Table CCW in 268.43.....	Acetonitrile.....	75-05-8	NA	INCIN.
U006		Acetyl Chloride.....	75-36-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U007		Acrylamide.....	79-06-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U008		Acrylic acid.....	79-10-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U010		Mitomycin C.....	50-07-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U011		Amitrole.....	61-82-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U014		Auramine.....	492-80-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U015		Azaserine.....	115-02-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U016		Benz(c)acridine.....	225-51-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U017		Benzal chloride.....	98-87-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U020		Benzenesulfonyl chloride.....	98-09-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U021		Benzidine.....	92-87-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U023		Benzotrichloride.....	98-07-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U026		Chlormaphazin.....	494-03-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U033		Carbonyl fluoride.....	353-50-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U034		Trichloroacetaldehyde (Chloral).....	75-87-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U035		Chlorambucil.....	305-03-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U038	Table CCW in 268.43.....	Chlorobenzilate.....	510-15-6	NA	INCIN.
U041		1-Chloro-2,3-epoxypropane (Epichlorohydrin).....	106-89-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U042	Table CCW in 268.43.....	2-Chloroethyl vinyl ether.....	110-75-8	NA	INCIN.
U046		Chloromethyl methyl ether.....	107-30-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U049		4-Chloro-o-toluidine hydrochloride.....	3165-93-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U053		Crotonaldehyde.....	4170-30-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U055		Cumene.....	98-82-8	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U056		Cyclohexane.....	110-82-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
UC57	Table CCW in 268.43.....	Cyclohexanone.....	108-94-1	NA	FSUBS; or INCIN.
U058		Cyclophosphamide.....	50-18-0	CARBN; or INCIN	FSUBS; or INCIN.
U059		Daunomycin.....	20830-81-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U062		Diallate.....	2303-16-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U084		1,2,7,8-Dibenzopyrene.....	189-55-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE—Continued

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
U073		3,3'-Dichlorobenzidine.....	91-94-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U074		cis-1,4-Dichloro-2-butene..... trans-1,4-Dichloro-2-butene.....	1476-11-5	(WETOX or CHOXD) fb CARBN; or INCIN (WETOX or CHOXD) fb CARBN; or INCIN	INCIN INCIN.
U085		1,2,3,4-Diepoxybutane.....	1464-53-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U086		N,N-Diethylhydrazine.....	1615-80-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U087		O,O-Diethyl S-methyldithiophosphate.....	3288-58-2	CARBN; or INCIN	FSUBS; or INCIN.
U089		Diethyl stilbestrol.....	56-53-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U090		Dihydrosafrole.....	94-58-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U091		3,3'-Dimethoxybenzidine.....	119-90-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U092		Dimethylamine.....	124-40-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U093	Table CCW in 268.43.....	p-Dimethylaminoazobenzene.....	621-90-9	NA	INCIN.
U094		7,12-Dimethyl benz(a)anthracene.....	57-97-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U095		3,3'-Dimethylbenzidine.....	119-93-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U096		a,a-Dimethyl benzyl hydroperoxide.....	80-15-9	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U097		Dimethylcarbonyl chloride.....	79-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U098		1,1-Dimethylhydrazine.....	57-14-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U099		1,2-Dimethylhydrazine.....	540-73-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U103		Dimethyl sulfate.....	77-78-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U109		1,2-Diphenylhydrazine.....	122-66-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U110		Dipropylamine.....	142-84-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U113		Ethyl acrylate.....	140-88-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U114		Ethylene bis-dithiocarbamic acid.....	111-54-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U115		Ethylene oxide.....	75-21-8	(WETOX or CHOXD) fb CARBN; or INCIN	CHOXD; or INCIN.
U116		Ethylene thiourea.....	96-45-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U119		Ethyl methane sulfonate.....	62-50-0	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U122		Formaldehyde.....	50-00-0	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U123		Formic acid.....	64-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U124		Furan.....	110-00-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U125		Furfural.....	98-01-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U126		Glycidaldehyde.....	765-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U132		Hexachlorophenene.....	70-30-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U133		Hydrazine.....	302-01-2	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U134	Table CCW in 268.43.....	Hydrogen Fluoride.....	7664-39-3	NA	ADGAS fb NEUTR; or NEUTR.
U135		Hydrogen Sulfide.....	7783-06-4	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN.
U143		Lasiocarpine.....	303-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U147		Maleic anhydride.....	108-31-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U148		Maleic hydrazide.....	123-33-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U149		Malononitrile.....	109-77-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U150		Melphalan.....	148-82-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE—Continued

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
U151	Table CCWE in 268.41 and Table CCW in 268.43	Mercury: (High Mercury Subcategory—greater than or equal to 260 mg/kg total Mercury).	7439-97-6	NA	RMERC.
U153		Methane thiol.....	74-93-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U154		Methanol.....	67-56-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U156		Methyl chlorocarbonate.....	76-22-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U160	Table CCW in 268.43	Methyl ethyl ketone peroxide.....	1338-23-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN.
U163		N-Methyl N'-nitro N-Nitrosoguanidine.....	70-25-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U164		Methylthiouracil.....	56-04-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U166		1,4-Naphthoquinone.....	130-15-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U167		1-Naphthylamine.....	134-32-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U168		2-Naphthylamine.....	91-59-8	NA	INCIN.
U171		2-Nitropropane.....	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U173		N-Nitroso-di-n-ethanolamine.....	1116-54-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U176		N-Nitroso-N-ethylurea.....	759-73-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U177		N-Nitroso-N-methylurea.....	684-93-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U178		N-Nitroso-N-methylurethane.....	615-53-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U182		Paraldehyde.....	123-63-7	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U184		Pentachloroethane.....	76-01-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U186		1,3-Pentadiene.....	504-60-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U189		Phosphorus sulfide.....	1314-80-3	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN.
U191		2-Picoline.....	109-06-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U193		1,3-Propane sultone.....	1120-71-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U194		n-Propylamine.....	107-10-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U197		p-Benzoquinone.....	106-51-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U200		Reserpine.....	50-55-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U201		Resorcinol.....	106-46-3	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U202		Saccharin and salts.....	81-07-2*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U206		Streptozotocin.....	18883-66-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U213		Tetrahydrofuran.....	109-99-9	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U214	Table CCW in 268.43	Thallium (I) acetate.....	563-68-8	NA	RTHRM; or STABL
U215	Table CCW in 268.43	Thallium (I) carbonate.....	6533-73-9	NA	RTHRM; or STABL
U216	Table CCW in 268.43	Thallium (I) chloride.....	7791-12-0	NA	RTHRM; or STABL
U217	Table CCW in 268.43	Thallium (I) nitrate.....	10102-45-1	NA	RTHRM; or STABL
U218		Thioacetamide.....	62-55-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U219		Thiourea.....	62-56-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U221		Toluenediamine.....	25376-45-8	CARBN; or INCIN	FSUBS; or INCIN.
U222		o-Toluidine hydrochloride.....	636-21-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U223		Toluene diisocyanate.....	26471-62-5	CARBN; or INCIN	FSUBS; or INCIN.
U234		sym-Tri-nitrobenzene.....	98-35-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U236		Trypan Blue.....	72-57-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U237		Uracil mustard.....	66-75-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U238		Ethyl carbamate.....	51-79-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.

TABLE 2.—TECHNOLOGY-BASED STANDARDS BY RCRA WASTE CODE—Continued

Waste code	See also	Waste descriptions and/or treatment subcategory	CAS No. for regulated hazardous constituents	Technology code	
				Wastewaters	Nonwastewaters
U240		2,4-Dichlorophenoxyacetic (salts and esters).....	94-75-7*	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U244		Thiram.....	137-26-8	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN.
U246		Cyanogen bromide.....	506-68-3	CHOXD; WETOX; or INCIN	CHOXD; WETOX; or INCIN.
U248		Warfarin (greater than or equal to 3%).....	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN.
U249		Zinc Phosphide (< 10%).....	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN.

* CAS Number given for parent compound only.

** This waste code exists in gaseous form and is not categorized as wastewater or nonwastewater forms.

NA—Not Applicable.

TABLE 3.—TECHNOLOGY-BASED STANDARDS FOR SPECIFIC RADIOACTIVE HAZARDOUS MIXED WASTE

Waste code	Waste descriptions and/or treatment subcategory	CAS Number	Technology code	
			Wastewaters	Nonwastewaters
D002.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D004.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D005.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D006.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D007.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D008.....	Radioactive Lead Solids Subcategory (Note: these lead solids include, but are not limited to, all forms of lead shielding, and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic stabilization, nor do they include organo-lead materials that can be incinerated and stabilized as ash.).	7439-92-1	NA	MACRO
D008.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D009.....	Elemental mercury contaminated with radioactive materials.....	7439-97-6	NA	AMLGM
D009.....	Hydraulic oil contaminated with Mercury Radioactive Materials Subcategory.....	7439-97-6	NA	INCIN
D009.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D010.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
D011.....	Radioactive High Level Wastes Generated During the Reprocessing of Fuel Rods Subcategory.	NA	NA	HLVIT
U151.....	Mercury: Elemental mercury contaminated with radioactive materials.....	7439-97-6	NA	AMLGM

NA—Not Applicable.

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
D003 (Reactive cyanides subcategory—based on 261.23(a)(5)).		Cyanides (Total)	57-12-5	Reserved	# 590
		Cyanides (Amenable)	57-12-5	0.86	30
D004	Table CCWE in 268.41	Arsenic	7440-38-2	5.0	NA
D005	Table CCWE in 268.41	Barium	7440-39-3	100	NA
D006	Table CCWE in 268.41	Cadmium	7440-43-8	1.0	NA
D007	Table CCWE in 268.41	Chromium (Total)	7440-47-32	5.0	NA
D008	Table CCWE in 268.41	Lead	7439-92-1	5.0	NA
D009	Table CCWE in 268.41	Mercury	7439-97-6	0.20	NA
D010	Table CCWE in 268.41	Selenium	7782-49-2	1.0	NA
D011	Table CCWE in 268.41	Silver	7440-22-4	5.0	NA
D012	Table 2 in 268.42	Endrin	720-20-8	NA	0.13
D013	Table 2 in 268.42	Lindane	58-89-9	NA	0.066
D014	Table 2 in 268.42	Methoxychlor	72-43-5	NA	0.18
D015	Table 2 in 268.42	Toxaphene	8001-35-1	NA	1.3
D016	Table 2 in 268.42	2,4-D	94-75-7	NA	10.0
D017	Table 2 in 268.42	2,4,5-TP Silvex	93-76-5	NA	7.9
F001-F005 spent solvents	Table CCWE in 268.41 and Table 2 in 268.42	1,1,2-Trichloroethane	71-55-6	0.030	* 7.6
		Benzene	71-43-2	0.070	* 3.7
		Methylene chloride	75-09-2	0.44	NA
F001-F005 spent solvents (Pharmaceutical industry wastewater subcategory).					
F006	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.2	590
		Cyanides (Amenable)	57-12-5	0.86	30
		Cadmium	7440-43-8	1.6	NA
		Chromium	7440-47-32	0.32	NA
		Lead	7439-92-1	0.040	NA
		Nickel	7440-02-0	0.44	NA
F007	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	590
		Cyanides (Amenable)	57-12-5	0.1	30
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-0	0.44	NA
F008	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	590
		Cyanides (Amenable)	57-12-5	0.1	30
		Chromium	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-0	0.44	NA
F009	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	590
		Cyanides (Amenable)	57-12-5	0.1	30
		Chromium	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-0	0.44	NA
F010		Cyanides (Total)	57-12-5	1.9	1.5
		Cyanides (Amenable)	57-12-5	0.1	NA
F011	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	110
		Cyanides (Amenable)	57-12-5	0.1	9.1
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-0	0.44	NA
F012	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	110
		Cyanides (Amenable)	57-12-5	0.1	9.1
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.04	NA
		Nickel	7440-02-0	0.44	NA
F019	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.2	* 590
		Cyanides (Amenable)	57-12-5	0.86	* 30
		Chromium (Total)	7440-47-32	0.32	NA
F024	Table CCWE in 268.41 and Table 2 in 268.42 (Note: F024 organic standards must be treated via incineration (INCIN)).	2-Chloro-1,3-butadiene	128-99-8	* 0.28	* 0.28
		3-Chloropropene	107-05-1	* 0.28	* 0.28
		1,1-Dichloroethane	75-34-3	* 0.014	* 0.014
		1,2-Dichloroethane	107-06-2	* 0.014	* 0.014
		1,2-Dichloropropane	78-87-5	* 0.014	* 0.014
		cis-1,3-Dichloropropene	10061-01-5	* 0.014	* 0.014
		trans-1,3-Dichloropropene	10061-02-6	* 0.014	* 0.014

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
F025 (Light ends subcategory)		Bis(2-ethylhexyl)phthalate	117-81-7	• 0.036	• 1.8
		Hexachloroethane	67-72-1	• 0.036	• 1.8
		Chromium (Total)	7440-47-32	0.35	NA
		Nickel	7440-02-0	0.47	NA
		Chloroform	67-66-3	• 0.046	• 6.2
		1,2-Dichloroethane	107-06-2	• 0.21	• 6.2
		1,1-Dichloroethylene	75-35-4	• 0.025	• 6.2
		Methylene chloride	75-9-2	• 0.089	• 31
		Carbon tetrachloride	56-23-5	• 0.057	• 6.2
		1,1,2-Trichloroethane	79-00-5	• 0.054	• 6.2
F025 (Spent filters/aids and desiccants subcategory)		Trichloroethylene	79-01-6	• 0.054	• 5.6
		Vinyl chloride	75-01-4	• 0.27	• 33
		Chloroform	67-66-3	• 0.046	• 6.2
		Methylene chloride	75-9-2	• 0.089	• 31
		Carbon tetrachloride	56-23-5	• 0.057	• 6.2
		1,1,2-Trichloroethane	79-00-5	• 0.054	• 6.2
		Trichloroethylene	79-01-6	• 0.054	• 5.6
		Vinyl chloride	75-01-4	• 0.27	• 33
		Hexachlorobenzene	118-74-1	• 0.055	• 37
		Hexachlorobutadiene	87-68-3	• 0.055	• 28
F039	Table CCWE in 288.41	Hexachloroethane	67-72-1	• 0.055	• 30
		Acetone	67-64-1	• 0.26	• 180
		Acenaphthalene	208-66-8	• 0.059	• 3.4
		Acenaphthene	83-32-9	• 0.059	• 4.0
		Acetonitrile	75-05-8	• 0.17	NA
		Acetophenone	96-86-2	• 0.010	• 9.7
		2-Acetylaminofluorene	53-96-3	• 0.059	• 140
		Acrylonitrile	107-13-1	• 0.24	• 84
		Aldrin	309-00-2	• 0.021	• 0.096
		4-Aminobiphenyl	92-67-1	• 0.13	NA
		Aniline	62-53-3	• 0.81	• 14
		Anthracene	120-12-7	• 0.059	• 4.0
		Aroclor 1016	12674-11-2	• 0.013	• 0.92
		Aroclor 1221	11104-28-2	• 0.014	• 0.92
		Aroclor 1232	11141-16-5	• 0.013	• 0.92
		Aroclor 1242	53469-21-9	• 0.017	• 0.92
		Aroclor 1248	12672-29-6	• 0.013	• 0.92
		Aroclor 1254	11097-68-1	• 0.014	• 1.8
		Aroclor 1260	11096-82-5	• 0.014	• 1.8
		alpha-BHC	319-84-6	• 0.00014	• 0.066
		beta-BHC	319-85-7	• 0.00014	• 0.066
		delta-BHC	319-86-8	• 0.023	• 0.066
		gamma-BHC	58-89-9	• 0.0017	• 0.066
		Benzene	71-43-2	• 0.14	• 36
		Benzo(a)anthracene	56-55-3	• 0.059	• 8.2
		Benzo(b)fluoranthene	205-99-2	• 0.055	• 3.4
		Benzo(k)fluoranthene	207-08-9	• 0.059	• 3.4
		Benzo(g,h,i)perylene	191-24-2	• 0.0056	• 1.5
		Benzo(a)pyrene	50-32-8	• 0.061	• 8.2
		Bromodichloromethane	75-27-4	• 0.36	• 15
		Bromoform	75-25-2	• 0.63	• 15
		Bromomethane (methyl bromide)	74-83-9	• 0.11	• 15
		4-Bromophenyl phenyl ether	101-55-3	• 0.055	• 15
		n-Butyl alcohol	71-36-3	• 5.6	• 2.6
		Butyl benzyl phthalate	85-68-7	• 0.017	• 7.9
		2-sec-Butyl-4,6-dinitrophenol	88-85-7	• 0.066	• 2.5
		Carbon tetrachloride	56-23-5	• 0.057	• 5.6
		Carbon disulfide	75-15-0	• 0.014	NA
		Chlordane	57-74-9	• 0.0033	• 0.13
		p-Chloroaniline	106-47-8	• 0.46	• 16
		Chlorobenzene	108-90-7	• 0.057	• 5.7
		Chlorobenzilate	510-15-6	• 0.10	• NA
		Chlorodibromomethane	124-48-1	• 0.057	• 16
		Chloroethane	75-00-3	• 0.27	• 6.0
		bis(2-Chloroethoxy) methane	111-91-1	• 0.036	• 7.2
		bis(2-Chloroethyl) ether	111-44-4	• 0.033	• 7.2
		2-Chloroethyl vinyl ether		• 0.057	NA
		Chloroform	67-66-3	• 0.046	• 5.6
		bis(2-Chloroisopropyl) ether	39938-32-9	• 0.055	• 7.2
		p-Chloro-m-cresol	59-50-7	• 0.018	• 14
		Chloromethane (Methyl chloride)	74-87-3	• 0.19	• 33
		2-Chloronaphthalene	91-8-7	• 0.055	• 5.6
		2-Chlorophenol	95-57-8	• 0.044	• 5.7
		3-Chloropropene	107-05-1	• 0.036	• 28
		Chrysene	218-01-9	• 0.059	• 8.2
		o-Cresol	95-48-7	• 0.11	• 5.6

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
		Cresol (m- and p-isomers).....		* 0.77	* 3.2
		Cyclohexanone.....	108-94-1	* 0.36	NA
		1,2-Dibromo-3-chloropropane.....	96-12-8	* 0.11	* 15
		1,2-Dibromoethane (Ethylene dibromide).....	106-93-4	* 0.028	* 15
		Dibromomethane.....	74-95-3	* 0.11	* 15
		2,4-Dichlorophenoxyacetic acid (2,4-D).....	94-75-7	* 0.72	* 10
		o,p'-DDD.....	53-19-0	* 0.023	* 0.087
		p,p'-DDD.....	72-54-8	* 0.023	* 0.087
		o,p'-DDE.....	3424-82-8	* 0.031	* 0.087
		p,p'-DDE.....	72-55-9	* 0.031	* 0.087
		o,p'-DDT.....	789-02-6	* 0.0039	* 0.087
		p,p'-DDT.....	50-29-3	* 0.0039	* 0.087
		Dibenzo(a,h)anthracene.....	53-70-3	* 0.055	* 8.2
		m-Dichlorobenzene.....	541-73-1	* 0.036	* 6.2
		o-Dichlorobenzene.....	95-50-1	* 0.088	* 6.2
		p-Dichlorobenzene.....	106-46-7	* 0.090	* 6.2
		Dichlorodifluoromethane.....	75-71-8	* 0.23	* 7.2
		1,1-Dichloroethane.....	75-34-3	* 0.359	* 7.2
		1,2-Dichloroethane.....	107-06-2	* 0.21	* 7.2
		1,1-Dichloroethylene.....	75-35-4	* 0.025	* 33
		trans-1,2-Dichloroethene.....		* 0.054	* 33
		2,4-Dichlorophenol.....	120-83-2	* 0.044	* 14
		2,6-Dichlorophenol.....	87-65-0	* 0.044	* 14
		1,2-Dichloropropane.....	78-87-5	* 0.85	* 18
		cis-1,3-Dichloropropene.....	10061-01-5	* 0.036	* 18
		trans-1,3-Dichloropropene.....	10061-02-6	* 0.036	* 18
		Dieldrin.....	60-57-1	* 0.017	* 0.13
		Diethyl phthalate.....	84-66-2	* 0.20	* 28
		p-Dimethylaminoazobenzene.....	60-11-3	* 0.13	NA
		2,4-Dimethyl phenol.....	105-67-9	* 0.036	* 14
		Dimethyl phthalate.....	131-11-3	* 0.047	* 28
		Di-n-butyl phthalate.....	84-74-2	* 0.057	* 28
		1,4-Dinitrobenzene.....	100-25-4	* 0.32	* 2.3
		4,6-Dinitro-o-cresol.....	534-52-1	* 0.28	* 180
		2,4-Dinitrophenol.....	51-28-5	* 0.12	* 180
		2,4-Dinitrotoluene.....	121-14-2	* 0.32	* 140
		2,6-Dinitrotoluene.....	606-20-2	* 0.55	* 28
		Di-n-octyl phthalate.....	117-84-0	* 0.017	* 28
		Di-n-propylnitrosamine.....	621-84-7	* 0.40	* 14
		1,2-Diphenyl hydrazine.....		* 0.087	NA
		1,4-Dioxane.....	123-91-1	* 0.12	* 170
		Dicufton.....	298-04-4	* 0.017	* 6.2
		Endosulfan I.....	939-98-8	* 0.023	* 0.066
		Endosulfan II.....	33213-6-5	* 0.029	* 0.13
		Endosulfan sulfate.....	1-31-07-8	* 0.029	* 0.13
		Endrin.....	7-20-8	* 0.0028	* 0.13
		Endrin aldehyde.....	7421-93-4	* 0.025	* 0.13
		Ethyl acetate.....	141-78-6	* 0.34	* 33
		Ethyl cyanide.....		* 0.24	NA
		Ethyl benzene.....	100-41-4	* 0.057	* 6.0
		Ethyl ether.....	60-29-7	* 0.12	* 160
		bis(2-Ethylhexyl) phthalate.....	117-81-7	* 0.28	* 28
		Ethyl methacrylate.....	97-63-2	* 0.14	* 160
		Ethylene oxide.....	75-21-8	* 0.12	NA
		Famphur.....	52-85-7	* 0.017	* 15
		Fluoranthene.....	206-44-0	* 0.088	* 8.2
		Fluorene.....	86-73-7	* 0.059	* 4.0
		Fluorotrichloromethane.....	75-69-4	* 0.020	* 33
		Heptachlor.....	76-44-8	* 0.0012	* 0.066
		Heptachlor epoxide.....	1024-57-3	* 0.016	* 0.066
		Hexachlorobenzene.....	118-74-1	* 0.055	* 37
		Hexachlorobutadiene.....	87-68-3	* 0.055	* 28
		Hexachlorocyclopentadiene.....	77-47-4	* 0.057	* 3.6
		Hexachlorodibenzo-furans.....		* 0.000063	* 0.001
		Hexachlorodibenzo-p-dioxins.....		* 0.000063	* 0.001
		Hexachloroethane.....	67-72-1	* 0.055	* 28
		Hexachloropropene.....	1888-71-7	* 0.035	* 28
		Indeno(1,2,3-c,d)pyrene.....	193-39-5	* 0.0055	* 8.2
		Iodomethane.....	74-88-4	* 0.019	* 65
		Isobutanol.....	78-83-1	* 5.6	* 170
		Isodrin.....	485-73-8	* 0.021	* 0.066
		Isosafrole.....	120-58-1	* 0.081	* 2.8
		Kapone.....	143-50-8	* 0.0011	* 0.13
		Methacrylonitrile.....	126-98-7	* 0.24	* 84
		Methacrylonitrile.....	91-80-5	* 0.081	* 1.5

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewaters concentration (mg/l)	Non-wastewaters concentration (mg/kg)
		Methoxychlor	72-43-5	* 0.25	• 0.18
		3-Methylcholanthrene	56-49-5	* 0.0055	• 15
		4,4-Methylene-bis-(2-chloroaniline)	101-14-4	* 0.50	• 35
		Methylene chloride	75-09-2	* 0.089	• 33
		Methyl ethyl ketone	78-93-3	* 0.28	• 36
		Methyl isobutyl ketone	108-10-1	* 0.14	• 33
		Methyl methacrylate	80-62-6	* 0.14	• 150
		Methyl methanesulfonate		* 0.018	NA
		Methyl parathion	298-00-0	* 0.014	• 4.6
		Naphthalene	91-20-3	* 0.059	• 3.1
		2-Naphtylamine	91-59-8	* 0.52	NA
		p-Nitroaniline	100-01-6	* 0.028	• 28
		Nitrobenzene	98-95-3	* 0.068	• 14
		5-Nitro-o-toluidine	99-55-8	* 0.32	• 28
		4-Nitrophenol	100-02-7	* 0.12	• 29
		N-Nitrosodiethylamine	55-18-5	* 0.40	• 28
		N-Nitrosodimethylamine	62-75-9	* 0.40	NA
		N-Nitroso-di-n-butylamine	924-16-3	* 0.40	• 17
		N-Nitrosomethylamine	10595-95-6	* 0.40	• 2.3
		N-Nitrosomorpholine	59-89-2	* 0.40	• 2.3
		N-Nitrosopiperidine	100-75-4	* 0.013	• 35
		N-Nitrosopyrrolidine	930-55-2	* 0.013	• 35
		Parathion	56-38-2	* 0.017	• 4.6
		Pentachlorobenzene	608-93-5	* 0.055	• 37
		Pentachlorodibenzo-furans		* 0.000035	• 0.001
		Pentachlorodibenzo-p-dioxins		* 0.000063	• 0.001
		Pentachloronitrobenzene	82-68-8	* 0.055	• 4.8
		Pentachlorophenol	87-86-5	* 0.089	• 7.4
		Phenacetin	62-44-2	* 0.081	• 16
		Phenanthrene	85-01-8	* 0.059	• 3.1
		Phenol	108-95-2	* 0.039	• 6.2
		Phorate	298-02-2	* 0.021	• 4.6
		Propanenitrile (ethyl cyanide)	107-12-0	* 0.24	• 360
		Pronamide	23950-58-5	* 0.093	• 1.5
		Pyrene	129-00-0	* 0.067	• 8.2
		Pyridine	110-86-1	* 0.014	• 16
		Safrole	94-59-7	* 0.081	• 22
		Silvex (2,4,5-TP)	93-72-1	* 0.72	• 7.9
		2,4,5-T	93-76-5	* 0.72	• 7.9
		1,2,4,5-Tetrachlorobenzene	95-94-3	* 0.055	• 19
		Tetrachlorodibenzo-furans		* 0.000063	• 0.001
		Tetrachlorodibenzo-p-dioxins		* 0.000063	• 0.001
		2,3,7,8-Tetrachlorodibenzo-p-dioxin		* 0.000063	NA
		1,1,1,2-Tetrachloroethane	630-20-6	* 0.057	• 42
		1,1,2,2-Tetrachloroethane	79-34-6	* 0.057	• 42
		Tetrachloroethene	127-18-4	* 0.056	• 5.6
		2,3,4,6-Tetrachlorophenol	58-90-2	* 0.030	• 37
		Toluene	108-88-3	* 0.080	• 28
		Toxaphene	8001-35-1	* 0.0095	• 1.3
		1,2,4-Trichlorobenzene	120-82-1	* 0.055	• 19
		1,1,1-Trichloroethane	71-55-6	* 0.054	• 5.6
		1,1,2-Trichloroethane	79-00-5	* 0.054	• 5.6
		Trichloroethylene	79-01-6	* 0.054	• 5.6
		2,4,5-Trichlorophenol	95-95-4	* 0.18	• 37
		2,4,6-Trichlorophenol	88-06-2	* 0.035	• 37
		1,2,3-Trichloropropane	96-18-4	* 0.85	• 28
		1,1,2-Trichloro-1,2,2-trifluoro-ethane	76-13-1	* 0.057	• 28
		Vinyl chloride	75-01-4	* 0.27	• 33
		Xylene(s)		* 0.32	• 28
		Cyanides (Total)	57-12-5	* 1.2	• 1.8
		Cyanides (Amenable)	57-12-5	* 0.86	NA
		Fluoride	16984-48-8	* 36	NA
		Sulfide	8496-25-8	* 14	NA
		Antimony	7440-36-0	* 1.9	NA
		Arsenic	7440-38-2	* 5.0	NA
		Barium	7440-39-3	* 1.2	NA
		Beryllium	7440-41-7	* 0.82	NA
		Cadmium	7440-43-9	* 0.20	NA
		Chromium (Total)	7440-47-32	* 0.37	NA
		Copper	7440-50-8	* 1.3	NA
		Lead	7439-92-1	* 0.28	NA
		Mercury	7439-97-8	* 0.15	NA
		Nickel	7440-02-0	* 0.55	NA
		Selenium	7782-49-2	* 0.82	NA
		Silver	7440-22-4	* 0.29	NA
		Vanadium	7440-62-2	* 0.042	NA
		Napthalene	91-20-3	* 0.031	• 1.5

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
K002	Table CCWE in 268.41	Pentachlorophenol	87-86-5	0.031	1.5
		Phenanthrene	85-01-8	0.031	1.5
		Pyrene	129-00-0	0.028	1.5
		Toluene	108-88-3	0.028	28
		Xylenes (Total)		0.032	33
K003	Table CCWE in 268.41	Lead	7439-92-1	0.037	NA
		Chromium (Total)	7440-47-32	2.9	NA
		Lead	7439-92-1	3.4	NA
K004	Table CCWE in 268.41	Chromium (Total)	7440-47-32	2.9	NA
		Lead	7439-92-1	3.4	NA
		Lead	7439-92-1	3.4	NA
K005	Table CCWE in 268.41	Chromium (Total)	7440-47-32	2.9	NA
		Lead	7439-92-1	3.4	NA
		Cyanides (Total)	57-12-5	0.74	7
K006	Table CCWE in 268.41	Chromium (Total)	7440-47-32	2.9	NA
		Lead	7439-92-1	3.4	NA
		Chromium (Total)	7440-47-32	2.9	NA
K007	Table CCWE	Lead	7439-92-1	3.4	NA
		Cyanides (Total)	57-12-5	0.74	7
		Chromium (Total)	7440-47-32	2.9	NA
K008	Table CCWE in 268.41	Lead	7439-92-1	3.4	NA
		Chromium (Total)	7440-47-32	2.9	NA
		Lead	7439-92-1	3.4	NA
K009		Chloroform	67-66-3	0.1	6.0
K010		Chloroform	67-66-3	0.1	6.0
K011		Acetonitrile	75-05-8	38	1.8
		Acrylonitrile	107-13-1	0.06	1.4
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.02	0.03
		Cyanide (Total)	57-12-5	21	57
K013		Acetonitrile	75-05-8	38	1.8
		Acrylonitrile	107-13-1	0.06	1.4
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.02	0.03
		Cyanide (Total)	57-12-5	21	57
K014		Acetonitrile	75-05-8	38	1.8
		Acrylonitrile	107-13-1	0.06	1.4
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.02	0.03
		Cyanide (Total)	57-12-5	21	57
K015	Table CCWE in 268.41	Acetonitrile	75-05-8	38	1.8
		Acrylonitrile	107-13-1	0.06	1.4
		Acrylamide	79-06-1	19	23
		Benzene	71-43-2	0.02	0.03
		Cyanide (Total)	57-12-5	21	57
K016		Anthracene	120-12-7	1.0	3.4
		Benzal chloride	98-87-3	0.28	6.2
		Sum of Benzo(b)fluoranthene and Benzo(k)fluoranthene	205-99-2		
		Phenanthrene	207-08-9	0.029	3.4
		Toluene	85-01-8	0.27	3.4
K017		Chromium (Total)	106-88-3	0.15	6.0
		Chromium (Total)	7440-47-32	0.32	NA
		Nickel	7440-02-0	0.44	NA
		Hexachlorobenzene	118-74-1	0.033	28
		Hexachlorobutadiene	87-68-3	0.007	5.8
K018		Hexachlorocyclopentadiene	77-47-4	0.007	5.8
		Hexachloroethane	67-72-1	0.033	28
		Tetrachloroethane	127-18-4	0.007	6.0
		1,2-Dichloropropane	78-87-6	0.85	18
		1,2,3-Trichloropropane	86-16-4	0.85	28
K019		Bis(2-chloroethyl)ether	111-44-4	0.033	7.2
		Chloroethane	75-00-3	0.007	6.0
		1,1-Dichloroethane	75-34-3	0.007	6.0
		1,2-Dichloroethane	107-06-2	0.007	6.0
		Hexachloroethane	67-72-1	0.007	28
K020		Hexachlorobutadiene	87-68-3	0.033	5.8
		Hexachloroethane	67-72-1	0.007	28
		Pentachloroethane	76-01-7	0.007	5.8
		1,1,1-Trichloroethane	71-55-6	0.007	6.0
		Bis(2-chloroethyl)ether	111-44-4	0.007	5.8
K021		Chlorobenzene	106-90-7	0.008	6.0
		Chloroform	67-66-3	0.007	6.0
		p-Dichlorobenzene	106-46-7	0.008	NA
		1,2-Dichloroethane	107-06-2	0.007	6.0
		Fluorene	86-73-7	0.007	NA
K022		Hexachloroethane	67-72-1	0.033	28
		Naphthalene	91-20-3	0.007	5.8
		Phenanthrene	85-01-8	0.007	5.8
		1,2,4,5-Tetrachlorobenzene	85-84-3	0.017	NA
		Tetrachloroethane	127-18-4	0.007	6.0
K023		1,2,4-Trichlorobenzene	120-82-1	0.023	19
		1,1,1-Trichloroethane	71-55-6	0.007	6.0
		1,2-Dichloroethane	106-88-3	0.007	6.0
		1,2-Dichloroethane	106-88-3	0.007	6.0
		1,2-Dichloroethane	106-88-3	0.007	6.0

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
K021	Table CCWE in 268.41	1,1,2,2-Tetrachloroethane.....	79-34-8	• 0.007	• 5.6
		Tetrachloroethene.....	127-18-4	• 0.007	• 6.0
		Chloroform.....	67-66-3	• 0.046	• 6.2
		Carbon tetrachloride.....	56-23-5	• 0.057	• 6.2
K022	Table CCWE in 268.41	Antimony.....	7440-36-0	• 0.60	NA
		Toluene.....	108-88-3	• 0.080	• 0.034
		Acetophenone.....	96-88-2	• 0.010	• 1.9
		Diphenylamine.....	22-39-4	• 0.52	NA
		Diphenylnitrosamine.....	86-30-6	• 0.40	NA
		Sum of Diphenylamine and Diphenylnitrosamine.....		NA	• 13
		Phenol.....	108-95-2	0.039	• 12
		Chromium (Total).....	7440-47-32	0.35	NA
		Nickel.....	7440-02-0	0.47	NA
		Phthalic anhydride (measured as Phthalic acid).....	85-44-9	• 0.54	• 26
K024		Phthalic anhydride (measured as Phthalic acid).....	85-44-9	• 0.54	• 26
K028	Table CCWE in 268.41	1,1-Dichloroethane.....	75-34-3	• 0.007	• 6.0
		trans-1,2-Dichloroethane.....		• 0.033	• 6.0
		Hexachlorobutadiene.....	87-68-3	• 0.007	• 5.6
		Hexachloroethane.....	67-72-1	• 0.033	• 26
		Pentachloroethane.....	76-01-7	• 0.033	• 5.6
		1,1,1,2-Tetrachloroethane.....	630-20-8	• 0.007	• 5.6
		1,1,2,2-Tetrachloroethane.....	79-34-8	• 0.007	• 5.6
		1,1,1-Trichloroethane.....	71-55-8	• 0.007	• 6.0
		1,1,2-Trichloroethane.....	79-00-5	• 0.007	• 6.0
		Tetrachloroethylene.....	127-18-4	• 0.007	• 6.0
		Cadmium.....	7440-43-9	6.4	NA
		Chromium (Total).....	7440-47-32	0.35	NA
		Lead.....	7439-92-1	0.037	NA
		Nickel.....	7440-02-0	0.47	NA
		Chloroform.....	67-66-3	0.46	• 6.0
		1,2-Dichloroethane.....	107-06-2	0.21	• 6.0
		1,1-Dichloroethylene.....	75-35-4	0.025	• 6.0
K030		1,1,1-Trichloroethane.....	71-55-8	0.054	• 6.0
		Vinyl chloride.....	75-01-4	0.27	• 6.0
		o-Dichlorobenzene.....	95-50-1	• 0.008	NA
		p-Dichlorobenzene.....	106-46-7	• 0.008	NA
		Hexachlorobutadiene.....	87-68-3	• 0.007	• 5.6
		Hexachloropropene.....	67-72-1	• 0.033	• 26
		Hexachloropropene.....	1888-71-7	NA	• 19
		Pentachlorobenzene.....	608-93-5	NA	• 26
		Pentachloroethane.....	76-01-7	• 0.007	• 5.6
		1,2,4,5-Tetrachlorobenzene.....	95-94-3	• 0.017	• 14
K031	Table CCWE in 268.41	Tetrachloroethane.....	127-18-4	• 0.007	• 6.0
		1,2,4-Trichlorobenzene.....	120-82-1	• 0.023	• 19
		Arsenic.....	7440-38-2	0.79	NA
		Hexachloropentadiene.....	77-47-4	• 0.057	• 2.4
K032		Chlordane.....	57-74-9	• 0.0033	• 0.26
		Heptachlor.....	76-44-8	• 0.012	• 0.066
		Heptachlor epoxide.....	1024-57-3	• 0.016	• 0.066
		Hexachlorocyclopentadiene.....	77-47-4	• 0.057	• 2.4
K033		Hexachlorocyclopentadiene.....	77-47-4	• 0.057	• 2.4
K034		Acenaphthene.....	83-32-8	NA	• 3.4
K035		Anthracene.....	120-12-7	NA	• 3.4
		Benz(a)anthracene.....	56-55-3	• 0.059	• 3.4
		Benzo(a)pyrene.....	50-32-8	NA	• 3.4
		Chrysene.....	218-01-9	• 0.059	• 3.4
		Dibenz(a,h)anthracene.....	53-70-3	NA	• 3.4
		Fluoranthene.....	208-44-0	• 0.066	• 3.4
		Fluorene.....	86-73-7	NA	• 3.4
		Indeno(1,2,3-cd)pyrene.....	193-39-5	NA	• 3.4
		Cresols (m- and p-isomers).....		• 0.77	NA
		Naphthalene.....	91-20-3	• 0.059	• 3.4
		o-cresol.....	95-48-7	• 0.11	NA
		Phenanthrene.....	85-01-8	• 0.059	• 3.4
		Phenol.....	108-95-2	0.039	NA
		Pyrene.....	129-00-0	• 0.067	• 8.2
		Disulfoton.....	298-04-4	• 0.025	• 0.1
		Disulfoton.....	298-04-4	• 0.025	• 0.1
		Toluene.....	108-88-3	• 0.060	• 26
		Phorate.....	298-02-2	0.025	• 0.1
K036		Phorate.....	298-02-2	0.025	• 0.1
K040		Toxaphene.....	8001-35-1	• 0.0066	• 2.6
K042		1,2,4,5-Tetrachlorobenzene.....	95-94-3	• 0.055	• 4.4
		o-Dichlorobenzene.....	95-50-1	• 0.066	• 4.4

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewaters concentration (mg/l)	Non-wastewaters concentration (mg/kg)
K043		p-Dichlorobenzene	106-46-7	* 0.090	* 4.4
		Pentachlorobenzene	808-83-5	* 0.055	* 4.4
		1,2,4-Trichlorobenzene	120-82-1	* 0.055	* 4.4
		2,4-Dichlorophenol	120-83-2	* 0.049	* 0.38
		2,6-Dichlorophenol	87-85-0	* 0.013	* 0.34
		2,4,5-Trichlorophenol	95-95-4	* 0.016	* 8.2
		2,4,6-Trichlorophenol	88-06-2	* 0.039	* 7.8
		Tetrachlorophenols (Total)		* 0.018	* 0.68
		Pentachlorophenol	87-86-5	* 0.22	* 1.9
		Tetrachloroethene	79-01-6	* 0.006	* 1.7
		Hexachlorodibenzo-p-dioxins		* 0.001	* 0.001
		Hexachlorodibenzo-furans		* 0.001	* 0.001
		Pentachlorodibenzo-p-dioxins		* 0.001	* 0.001
		Pentachlorodibenzo-furans		* 0.001	* 0.001
		Tetrachlorodibenzo-p-dioxins		* 0.001	* 0.001
		Tetrachlorodibenzo-furans		* 0.001	* 0.001
		Lead	7439-92-1	0.037	NA
		Benzene	71-43-2	* 0.011	* 14
		Benzo(a)pyrene	50-32-8	* 0.047	* 12
K046	Table CCWE in 268.41	Bis(2-ethylhexyl)phthalate	117-81-7	* 0.043	* 7.3
		Chrysene	218-01-9	* 0.043	* 15
		Di-n-butyl phthalate	84-74-2	* 0.06	* 3.6
		Ethylbenzene	100-41-4	* 0.011	* 14
		Fluorene	86-73-7	* 0.05	NA
		Naphthalene	91-20-3	* 0.033	* 42
		Phenanthrene	85-01-8	* 0.039	* 34
		Phenol	108-95-2	* 0.047	* 3.6
		Pyrene	129-00-0	* 0.045	* 36
		Toluene	108-88-3	* 0.011	* 14
		Xylene(s)		* 0.011	* 22
		Cyanides (Total)	57-12-5	* 0.028	* 1.8
		Chromium (Total)	7440-47-32	0.2	NA
		Lead	7439-92-1	0.037	NA
		Anthracene	120-12-7	* 0.039	* 28
		Benzene	71-43-2	* 0.011	* 14
		Benzo(a)pyrene	50-32-8	* 0.047	* 12
		Bis(2-ethylhexyl)phthalate	117-81-7	* 0.043	* 7.3
K049	Table CCWE in 268.41	Carbon disulfide	75-15-0	* 0.011	NA
		Chrysene	2218-01-9	* 0.043	* 15
		2,4-Dimethylphenol	105-67-9	* 0.033	NA
		Ethylbenzene	100-41-4	* 0.011	* 14
		Naphthalene	91-20-3	* 0.033	* 42
		Phenanthrene	85-01-8	* 0.039	* 34
		Phenol	108-95-2	* 0.047	* 3.6
		Pyrene	129-00-0	* 0.045	* 36
		Toluene	108-88-3	* 0.011	* 14
		Xylene(s)		* 0.011	* 22
		Cyanides (Total)	57-12-5	* 0.028	* 1.8
		Chromium (Total)	7440-47-32	0.2	NA
		Lead	7439-92-1	0.037	NA
		Benzo(a)pyrene	50-32-8	* 0.047	* 12
		Phenol	108-95-2	* 0.047	* 3.6
		Cyanides (Total)	57-12-5	* 0.028	* 1.8
		Chromium (Total)	7440-47-32	0.2	NA
		Lead	7439-92-1	0.037	NA
K050	Table CCWE in 268.41	Acenaphthene	208-96-8	* 0.05	NA
		Anthracene	120-12-7	* 0.039	* 28
		Benzene	71-43-2	* 0.011	* 14
		Benzo(a)anthracene	50-32-8	* 0.043	* 20
		Benzo(a)pyrene	117-81-7	* 0.047	* 12
		Bis(2-ethylhexyl)phthalate	75-15-0	* 0.043	* 7.3
		Chrysene	2218-01-9	* 0.043	* 15
		Di-n-butyl phthalate	105-67-9	* 0.06	* 3.6
		Ethylbenzene	100-41-4	* 0.011	* 14
		Fluorene	86-73-7	* 0.05	NA
		Naphthalene	91-20-3	* 0.033	* 42
		Phenanthrene	85-01-8	* 0.039	* 34
		Phenol	108-95-2	* 0.047	* 3.6
		Pyrene	129-00-0	* 0.045	* 36
		Toluene	108-88-3	* 0.011	* 14
		Xylene(s)		* 0.011	* 22
		Cyanides (Total)	57-12-5	* 0.028	* 1.8
		Chromium (Total)	7440-47-32	0.2	NA
K051	Table CCWE in 268.41	Lead	7439-92-1	0.037	NA
		Benzene	71-43-2	* 0.011	* 14
		Benzo(a)pyrene	50-32-8	* 0.047	* 12
		Bis(2-ethylhexyl)phthalate	117-81-7	* 0.043	* 7.3
		Chrysene	2218-01-9	* 0.043	* 15
		Di-n-butyl phthalate	105-67-9	* 0.06	* 3.6
		Ethylbenzene	100-41-4	* 0.011	* 14
		Fluorene	86-73-7	* 0.05	NA
		Naphthalene	91-20-3	* 0.033	* 42
		Phenanthrene	85-01-8	* 0.039	* 34
		Phenol	108-95-2	* 0.047	* 3.6
		Pyrene	129-00-0	* 0.045	* 36
		Toluene	108-88-3	* 0.011	* 14
		Xylene(s)		* 0.011	* 22
		Cyanides (Total)	57-12-5	* 0.028	* 1.8
		Chromium (Total)	7440-47-32	0.2	NA
		Lead	7439-92-1	0.037	NA
		Benzene	71-43-2	* 0.011	* 14
		Benzo(a)pyrene	50-32-8	* 0.047	* 12
K052	Table CCWE in 268.41	o-Cresol	95-48-7	* 0.011	* 6.2

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
K06C		p-Cresol.....	106-44-5	• 0.011	• 6.2
		2,4-Dimethylphenol.....	105-67-9	• 0.033	• NA
		Ethylbenzene.....	100-41-4	• 0.011	• 14
		Naphthalene.....	91-20-3	• 0.033	• 42
		Phenanthrene.....	85-01-8	• 0.039	• 34
		Phenol.....	108-95-2	• 0.047	• 3.6
		Toluene.....	108-88-3	• 0.011	• 14
		Xylenes.....		• 0.011	• 22
		Cyanides (Total).....	57-12-5	• 0.028	• 1.8
		Chromium (Total).....	7440-47-32	0.2	NA
		Lead.....	7439-92-1	0.037	NA
		Benzene.....	71-43-2	• 0.17	• 0.071
		Benzo(a)pyrene.....	50-32-8	• 0.035	• 3.6
		Naphthalene.....	91-20-3	• 0.028	• 3.4
K061	Table CCWE in 268.41 and Table 2 in 268.42.	Phenol.....	108-95-2	• 0.042	• 3.4
		Cyanides (Total).....	57-12-5	1.9	1.2
		Cadmium.....	7440-43-9	1.61	NA
K062	Table CCWE in 268.41	Chromium (Total).....	7440-47-32	0.32	NA
		Lead.....	7439-92-1	0.51	NA
		Nickel.....	7440-02-0	0.44	NA
K069	Table CCWE in 268.41 and Table 2 in 268.42.	Chromium (Total).....	7440-47-32	0.32	NA
		Lead.....	7439-92-1	0.04	NA
		Nickel.....	7440-02-0	0.44	NA
K071	Table CCWE in 268.41	Cadmium.....	7440-43-9	1.6	NA
		Lead.....	7439-92-1	0.51	NA
		Mercury.....	7439-97-6	0.030	NA
K073		Carbon tetrachloride.....	56-23-5	• 0.057	• 6.2
		Chloroform.....	67-68-3	• 0.046	• 6.2
		Hexachloroethane.....	67-72-1	• 0.055	• 30
		Tetrachloroethene.....	127-18-4	• 0.056	• 6.2
		1,1,1-Trichloroethane.....	71-55-6	• 0.054	• 6.2
		Benzene.....	71-43-2	• 0.14	• 6.6
		Aniline.....	62-53-3	• 0.81	• 14
		Diphenylamine.....	22-39-4	• 0.52	NA
		Diphenylnitrosamine.....	86-30-6	• 0.40	NA
		Sum of Diphenylamine and Diphenylnitrosamine.....		NA	• 14
		Nitrobenzene.....	98-95-3	• 0.068	• 14
		Phenol.....	108-95-2	0.039	• 5.6
		Cyclohexanone.....	108-94-1	0.36	• 30
		Nickel.....	7440-02-0	0.47	NA
K084		Arsenic.....	7440-38-2	0.79	NA
		Benzene.....	71-43-2	• 0.14	• 4.4
K085		Chlorobenzene.....	108-90-7	• 0.087	• 4.4
		o-Dichlorobenzene.....	95-50-1	• 0.088	• 4.4
		m-Dichlorobenzene.....	541-73-1	• 0.036	• 4.4
		p-Dichlorobenzene.....	106-46-7	• 0.090	• 4.4
		1,2,4-Trichlorobenzene.....	120-82-1	• 0.055	• 4.4
		1,2,4,5-Tetrachlorobenzene.....	95-94-3	• 0.055	• 4.4
		Pentachlorobenzene.....	608-93-5	• 0.055	• 4.4
		Hexachlorobenzene.....	118-74-1	• 0.055	• 4.4
		Aroclor 1016.....	12674-1, 2	• 0.013	• 0.92
		Aroclor 1221.....	11104-28-2	• 0.014	• 0.92
		Aroclor 1232.....	11141-16-5	• 0.013	• 0.92
		Aroclor 1242.....	53469-21-9	• 0.017	• 0.92
		Aroclor 1248.....	12672-29-6	• 0.013	• 0.92
		Aroclor 1254.....	11087-89-1	• 0.014	• 1.8
		Aroclor 1260.....	11086-82-5	• 0.014	• 1.8
		Acetone.....	67-64-1	0.28	• 160
		Acetophenone.....	96-85-2	0.010	• 9.7
		Bis(2-ethylhexyl)phthalate.....	117-81-7	• 0.28	• 28
		n-Butyl alcohol.....	71-36-3	5.6	• 2.6
		Butylbenzylphthalate.....	85-68-7	• 0.017	• 7.9
K086	Table CCWE in 268.41	cyclohexanone.....	108-94-1	0.36	NA
		1,2-Dichlorobenzene.....	95-50-1	0.088	• 6.2
		Diethyl phthalate.....	84-66-2	• 0.20	• 28
		Dimethyl phthalate.....	131-11-3	• 0.047	• 28
		Di-n-butyl phthalate.....	84-74-2	• 0.057	• 28
		Di-n-octyl phthalate.....	117-84-0	• 0.017	• 28
		Ethyl acetate.....	141-78-6	• 0.34	• 33
		Ethylbenzene.....	100-41-4	• 0.057	• 6.0
		Methanol.....	67-56-1	5.6	NA
		Methyl isobutyl ketone.....	108-10-1	0.14	• 39
		Methyl ethyl ketone.....	78-93-3	0.28	• 36
		Methylene chloride.....	75-09-2	• 0.089	• 33

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewaters concentration (mg/l)	Non-wastewaters concentration (mg/kg)
K087	Table CCWE in 268.41	Naphthalene	91-20-3	* 0.059	* 3.1
		Nitrobenzene	98-95-3	* 0.068	* 14
		Toluene	108-88-3	* 0.080	* 28
		1,1,1-Trichloroethane	71-55-6	* 0.054	* 5.6
		Trichloroethylene	79-01-6	* 0.054	* 5.6
		Xylenes (Total)		* 0.32	* 28
		Cyanides (Total)	57-12-5	1.9	1.5
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.037	NA
		Acenaphthalene	208-96-8	* 0.028	3.4
		Benzene	71-43-2	* 0.014	* 0.071
		Chrysene	218-01-9	* 0.028	* 3.4
		Fluoranthene	206-44-0	* 0.028	* 3.4
		Indeno(1,2,3-cd)pyrene	193-39-5	* 0.028	* 3.4
		Naphthalene	91-20-3	* 0.028	* 3.4
		Phenanthrene	85-01-8	* 0.028	* 3.4
		Toluene	108-88-3	* 0.008	* 0.65
		Xylenes		* 0.014	* 0.07
		Lead	7439-92-1	0.037	NA
K093		Phthalic anhydride (measured as Phthalic acid)	85-44-9	* 0.54	* 28
K094		Phthalic anhydride (measured as Phthalic acid)	85-44-9	* 0.54	* 28
K095		1,1,1,2-Tetrachloroethane	630-20-6	0.057	* 5.6
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	* 5.6
		Tetrachloroethene	127-18-4	0.056	* 6.0
		1,1,2-Trichloroethane	79-00-5	0.054	* 6.0
		Trichloroethylene	79-01-6	0.054	* 5.6
		Hexachloroethane	67-72-1	0.055	* 28
		Pentachloroethane	76-01-7	0.055	* 5.6
		1,1,1,2-Tetrachloroethane	630-20-6	0.057	* 5.6
		1,1,2,2-Tetrachloroethane	79-34-6	0.057	* 5.6
		Tetrachloroethene	127-18-4	0.056	* 6.0
K096		1,1,2-Trichloroethane	79-00-5	0.054	* 6.0
		Trichloroethene	79-01-6	0.054	* 5.6
		1,3-Dichlorobenzene	541-73-1	0.036	* 5.6
		Pentachloroethane	76-01-7	0.055	* 5.6
		1,2,4-Trichlorobenzene	120-82-1	0.055	* 19
		Hexachlorocyclopentadiene	77-47-4	* 0.057	2.4
		Chlordane	57-74-9	* 0.0033	* 0.26
		Heptachlor	76-44-8	* 0.0012	* 0.066
		Heptachlor epoxide	1024-57-3	* 0.016	* 0.066
		Toxaphene	8001-35-1	* 0.0095	* 2.6
K097		2,4-Dichlorophenoxyacetic acid	94-75-7	* 1	* 1
K098		Hexachlorodibenzo-p-dioxins		* 0.001	* 0.001
K099		Hexachlorodibenzofurans		* 0.001	* 0.001
K100	Table CCWE in 268.41	Pentachlorodibenzo-p-dioxins		* 0.001	* 0.001
		Pentachlorodibenzofurans		* 0.001	* 0.001
		Tetrachlorodibenzo-p-dioxins		* 0.001	* 0.001
		Tetrachlorodibenzofurans		* 0.001	* 0.001
		Cadmium	7440-43-9	1.6	NA
		Chromium (Total)	7440-47-32	0.32	NA
		Lead	7439-92-1	0.51	NA
		p-Nitroaniline		* 0.27	* 14
		Arsenic	7440-38-2	0.79	NA
		Cadmium	7440-43-9	0.24	NA
K101	Table CCWE in 268.41	Lead	7439-92-1	0.17	NA
		Mercury	7439-97-6	0.082	NA
		p-Nitrophenol		* 0.028	* 13
		Arsenic	7440-38-2	0.79	NA
		Cadmium	7440-43-9	0.24	NA
		Lead	7439-92-1	0.17	NA
		Mercury	7439-97-6	0.082	NA
		Aniline	62-53-3	* 4.5	5.6
		Benzene	71-43-2	* 0.15	* 6.0
		2,4-Dinitrophenol	51-28-5	* 0.61	* 5.6
K102	Table CCWE in 268.41	Nitrobenzene	98-95-3	* 0.071	* 5.6
		Phenol	108-95-2	* 1.4	* 5.6
		Aniline	62-53-3	* 4.5	* 5.6
		Benzene	71-43-2	* 0.15	* 6
		2,4-Dinitrophenol	51-28-5	* 0.61	5.6
		Nitrobenzene	98-95-3	* 0.073	5.6
		Phenol	108-95-2	* 1.4	5.6
		Cyanides (Total)	57-12-5	2.7	* 1.8
		Benzene	71-43-2	0.14	* 4.4
		Chlorobenzene	108-90-7	0.057	* 4.4
K103		o-Dichlorobenzene	95-50-1	0.081	* 4.4

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
K106	Table CCWE in 268.41 and Table 2 in 268.42	p-Dichlorobenzene	106-46-7	0.080	* 4.4
		2,4,5-Trichlorophenol	95-95-4	0.18	* 4.4
		2,4,6-Trichlorophenol	88-06-2	0.035	* 4.4
		2-Chlorophenol	95-57-8	0.044	* 4.4
		Phenol	106-95-2	0.039	* 4.4
		Mercury	7439-97-8	0.030	NA
K115	Table CCWE in 268.41	Nickel	7440-02-0	0.47	NA

* Treatment standards for this organic constituent were established based upon incineration in units operated in accordance with the technical requirements of 40 CFR Part 264 Subpart O or Part 265 Subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may certify compliance with these treatment standards according to provisions in 40 CFR Section 268.7.

* Based on analysis of composite samples.

* As analyzed using SW-846 Method 9010; sample size: 0.5–10; distillation time: one hour to one hour and fifteen minutes.

NA—Not Applicable.

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
P004	Aldrin		Aldrin	309-00-2	* 0.21	0.066
P010	Arsenic acid	Table CCWE in 268.41	Arsenic	7440-38-2	0.79	NA
P011	Arsenic pentoxide	Table CCWE in 268.41	Arsenic	7440-38-2	0.79	NA
P012	Arsenic trioxide	Table CCWE in 268.41	Arsenic	7440-38-2	0.79	NA
P013	Barium cyanide	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.1	9.1
P020	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)		2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	* 2.5
P021	Calcium cyanide		Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.1	9.1
P022	Carbon disulfide	Table 2 in 268.42	Carbon disulfide	75-15-0	0.014	NA
P024	p-Chloroaniline		p-Chloroaniline	106-47-8	0.46	* 16
P029	Copper cyanide		Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.1	9.1
P030	Cyanides (soluble salts and complexes)		Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.1	9.1
P036	Dichlorophenylarsine	Table CCWE in 268.41	Arsenic	7440-38-2	0.79	NA
P037	Dieldrin		Dieldrin	60-57-1	* 0.017	* 0.13
P038	Diethylarsine	Table CCWE in 268.41	Arsenic	7740-38-2	0.79	NA
P039	Disulfoton		Disulfoton	298-04-4	0.017	* 0.1
P047	4,6-Dinitro-o-cresol		4,6-Dinitro-o-cresol	534-52-1	* 0.28	* 160
P048	2,4-Dinitrophenol		2,4-Dinitrophenol	51-28-5	* 0.12	* 160
P050	Endosulfan		Endosulfan I	839-98-8	* 0.023	* 0.066
			Endosulfan II	33213-6-5	* 0.029	* 0.13
			Endosulfan sulfate	1031-07-8	* 0.029	* 0.13
P051	Endrin		Endrin	72-20-8	* 0.0028	* 0.13
			Endrin aldehyde	7421-83-4	* 0.025	* 0.13
P056	Fluoride	Table 2 in 268.42	Fluoride	16984-48-8	35	NA
P059	Heptachlor		Heptachlor	76-44-8	* 0.0012	* 0.066
			Heptachlor epoxide	1024-57-3	* 0.016	* 0.066
P060	Isodrin		Isodrin	465-73-6	* 0.021	* 0.066
P063	Hydrogen cyanide		Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.10	9.1
P065	Mercury fulminate	Table CCWE in 268.41 and Table 2 in 268.42	Mercury	7439-97-8	0.030	NA
P071	Methyl parathion		Methyl parathion	298-00-0	0.025	* 0.1
P073	Nickel carbonyl	Table CCWE in 268.41	Nickel	7440-02-0	0.44	NA
P074	Nickel cyanide	Table CCWE in 268.41	Cyanides (Table)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.10	9.1
			Nickel	7440-02-0	0.44	NA
P077	p-Nitroaniline		p-Nitroaniline	100-01-6	* 0.028	* 28
P082	N-Nitrosodimethylamine	Table 2 in 268.42	N-Nitrosodimethylamine	62-75-9	* 0.40	NA
P089	Parathion		Parathion	56-38-2	0.025	* 0.1
P092	Phenylmercury acetate	Table CCWE in 268.41 and Table 2 in 268.42	Mercury	7439-97-8	0.030	NA
P094	Phorate		Phorate	298-02-2	0.025	* 0.1
P097	Famphur		Famphur	52-85-7	0.025	* 0.1
P098	Potassium cyanide		Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.10	9.1
P099	Potassium silver cyanide	Table CCWE in 268.41	Cyanides (Total)	57-12-5	1.9	110
			Cyanides (Amenable)	57-12-5	0.1	9.1
			Silver	7440-22-4	0.29	NA
P101	Ethyl cyanide (Propanenitrile)		Ethyl cyanide (Propanenitrile)	107-12-0	* 0.24	* 380
P103	Selenourea	Table CCWE in 268.41	Selenium	7782-49-2	* 10	NA

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
P104	Silver cyanide.....	Table CCWE in 268.41.....	Cyanides (Total).....	57-12-5	1.9	110
			Cyanides (Amenable).....	57-12-5	0.10	9.1
P106	Sodium cyanide.....		Silver.....	7440-22-4	0.29	NA
			Cyanides (Total).....	57-12-5	1.9	110
			Cyanides (Amenable).....	57-12-5	0.10	9.1
P110	Tetraethyl lead.....	Table CCWE in 268.41 and Table 2 in 268.42.....	Lead.....	7439-92-1	0.040	NA
P113	Thallic oxide.....	Table 2 in 268.42.....	Thallium.....	7440-28-0	* 0.14	NA
P114	Thallium selenite.....	Table CCWE in 268.41.....	Selenium.....	7782-49-2	1.0	NA
P115	Thallium(I) sulfate.....	Table 2 in 268.42.....	Thallium.....	7440-28-0	* 0.14	NA
P119	Ammonia vanadate.....	Table 2 in 268.42.....	Vanadium.....	7440-62-2	* 28	NA
P120	Vanadium pentoxide.....	Table 2 in 268.42.....	Vanadium.....	7440-62-2	* 28	NA
P121	Zinc cyanide.....		Cyanides (Total).....	57-12-5	1.9	110
			Cyanides (Amenable).....	57-12-5	0.10	9.1
P123	Toxaphene.....		Toxaphene.....	8001-35-1	* 0.0095	* 1.3
U002	Acetone.....		Acetone.....	67-64-1	0.26	* 160
U003	Acetonitrile.....	Table 2 in 268.42.....	Acetonitrile.....	75-05-8	0.17	NA
U004	Acetophenone.....		Acetophenone.....	98-66-2	* 0.010	* 9.7
U005	2-Acetylaminofluorene.....		2-Acetylaminofluorene.....	53-96-3	* 0.059	* 140
U009	Acrylonitrile.....		Acrylonitrile.....	107-13-1	* 0.24	* 84
U012	Aniline.....		Aniline.....	62-53-3	0.61	* 14
U018	Benz(a)anthracene.....		Benz(a)anthracene.....	56-55-3	* 0.059	* 8.2
U019	Benzene.....		Benzene.....	71-43-2	* 0.14	* 36
U022	Benzo(a)pyrene.....		Benzo(a)pyrene.....	50-32-8	* 0.061	* 8.2
U024	Bis(2-chloroethoxy)methane.....		Bis(2-chloroethoxy)methane.....	111-91-1	0.036	* 7.2
U025	Bis(2-chloroethyl)ether.....		Bis(2-chloroethyl)ether.....	111-44-4	0.033	* 7.2
U027	Bis(2-chloroisopropyl) ether.....		Bis(2-chloroisopropyl) ether.....	39838-32-9	* 0.055	* 7.2
U028	Bis(2-ethylhexyl) phthalate.....		Bis(2-ethylhexyl) phthalate.....	117-81-7	* 0.54	* 28
U029	Bromomethane (Methyl bromide).....		Bromomethane (Methyl bromide).....	74-83-9	* 0.11	* 15
U030	4-Bromophenyl phenyl ether.....		4-Bromophenyl phenyl ether.....	101-55-3	* 0.055	* 15
U031	n-Butyl alcohol.....		n-Butyl alcohol.....	71-36-3	5.6	* 2.6
U032	Calcium chromate.....	Table CCWE in 268.41.....	Chromium (Total).....	7440-47-32	0.32	NA
U036	Chlordane (alpha and gamma).....		Chlordane (alpha and gamma).....	57-74-9	* 0.0033	* 0.13
U037	Chlorobenzene.....		Chlorobenzene.....	108-90-7	* 0.057	* 5.7
U038	Chlorobenzilate.....	Table 2 in 268.42.....	Chlorobenzilate.....	510-15-6	* 0.10	NA
U039	p-Chloro-m-cresol.....		p-Chloro-m-cresol.....	59-50-7	* 0.018	* 14
U042	2-Chloroethyl vinyl.....	Table 2 in 268.42.....	2-Chloroethyl vinyl.....	110-75-8	0.057	NA
U043	Vinyl chloride.....		Vinyl chloride.....	75-01-4	* 0.27	* 33
U044	Chloroform.....		Chloroform.....	67-66-3	* 0.046	* 5.6
U045	Chloromethane (Methyl chloride).....		Chloromethane (Methyl chloride).....	74-87-3	* 0.19	* 93
U047	2-Chloronaphthalene.....		2-Chloronaphthalene.....	91-56-7	* 0.055	* 5.6
U048	2-Chlorophenol.....		2-Chlorophenol.....	95-57-8	* 0.044	* 5.7
U050	Chrysene.....		Chrysene.....	218-01-9	* 0.059	* 8.2
U051	Cresote.....	Table CCWE in 268.41.....	Naphthalene.....	91-20-3	* 0.031	* 1.5
			Pentachlorophenol.....	87-86-5	* 0.18	* 7.4
			Phenanthrene.....	85-01-8	* 0.031	* 1.5
			Pyrene.....	129-00-0	* 0.028	* 28
			Toluene.....	108-88-3	* 0.028	* 33
			Xylenes (Total).....	7439-92-1	* 0.032	NA
			Lead.....		* 0.037	
U052	Cresols (Cresylic acid).....		o-Cresol.....	95-48-7	* 0.11	* 5.6
			Cresols (m- and p- isomers).....		* 0.77	* 3.2
U057	Cyclohexanone.....	Table 2 in 268.42.....	Cyclohexanone.....	108-94-1	0.56	NA
U060	DDD.....		o,p'-DDD.....	53-19-0	0.023	* 0.067
			p,p'-DDD.....	72-54-8	0.023	* 0.067
U061	DDT.....		o,p'-DDT.....	789-02-6	* 0.0039	* 0.067
			p,p'-DDT.....	50-29-3	* 0.0039	* 0.067
			o,p'-DDD.....	53-19-0	* 0.023	* 0.067
			p,p'-DDD.....	72-54-8	* 0.023	* 0.067
			o,p'-DDE.....	3424-82-6	* 0.031	* 0.067
			p,p'-DDE.....	72-55-9	* 0.031	* 0.067
U063	Dibenzo(a,h)anthracene.....		Dibenzo(a,h)anthracene.....	53-70-3	* 0.055	* 8.2
U066	1,2-Dibromo-3-chloropropane.....		1,2-Dibromo-3-chloropropane.....	96-12-8	* 0.11	* 15
U067	1,2-Dibromoethane (Ethylenedibromide).....		1,2-Dibromoethane (Ethylene dibromide).....	106-93-4	* 0.028	15
U068	Dibromomethane.....		Dibromomethane.....	74-95-3	* 0.11	15
U069	Di-n-butyl phthalate.....		Di-n-butyl phthalate.....	84-74-2	* 0.54	* 28
U070	o-Dichlorobenzene.....		o-Dichlorobenzene.....	95-50-1	* 0.088	* 6.2
U071	m-Dichlorobenzene.....		m-Dichlorobenzene.....	541-73-1	0.036	6.2
U072	p-Dichlorobenzene.....		p-Dichlorobenzene.....	104-46-7	* 0.090	* 6.2
U075	Dichlorodifluoromethane.....		Dichlorodifluoromethane.....	75-71-8	* 0.23	* 7.2
U076	1,1-Dichloroethane.....		1,1-Dichloroethane.....	75-34-3	* 0.059	7.2
U077	1,2-Dichloroethane.....		1,2-Dichloroethane.....	107-06-2	* 0.21	* 7.2
U078	1,1-Dichloroethylene.....		1,1-Dichloroethylene.....	75-35-4	* 0.025	* 33
U079	1,2-Dichloroethylene.....		trans-1,2-Dichloroethylene.....	156-60-5	* 0.054	* 33
U080	Methylene chloride.....		Methylene chloride.....	75-09-2	* 0.089	* 33
U081	2,4-Dichlorophenol.....		2,4-Dichlorophenol.....	120-83-2	* 0.044	* 14
U082	2,6-Dichlorophenol.....		2,6-Dichlorophenol.....	57-85-0	* 0.044	* 14

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewater concentration (mg/l)	Non-wastewater concentration (mg/kg)
U083	1,2-Dichloropropane		1,2-Dichloropropane	78-87-5	0.85	18
U084	1,3-Dichloropropene		cis-1,3-Dichloropropylene	10061-01-5	0.036	18
			trans-1,3-Dichloropropylene	10061-02-6	0.036	18
U088	Diethyl phthalate		Diethyl phthalate	84-66-2	0.54	28
U093	p-Dimethylaminoazobenzene	Table 2 in 268.42	p-Dimethylaminoazobenzene	60-11-7	0.13	NA
U101	2,4-Dimethylphenol		2,4-Dimethylphenol	105-87-9	0.036	14
U102	Dimethyl phthalate		Dimethyl phthalate	131-11-3	0.54	28
U105	2,4-Dinitrotoluene		2,4-Dinitrotoluene	121-14-2	0.32	140
U106	2,6-Dinitrotoluene		2,6-Dinitrotoluene	806-20-2	0.55	28
U107	Di-n-octyl phthalate		Di-n-octyl phthalate	117-84-0	0.54	28
U108	1,4-Dioxane		1,4-Dioxane	123-91-1	0.12	170
U111	Di-n-propylnitrosoamine		Di-n-propylnitrosoamine	621-64-7	0.40	14
U112	Ethyl acetate		Ethyl acetate	141-78-6	0.34	33
U117	Ethyl ether		Ethyl ether	60-29-7	0.12	160
U118	Ethyl methacrylate		Ethyl methacrylate	97-63-2	0.14	160
U120	Fluoranthene		Fluoranthene	206-44-0	0.068	8.2
U121	Trichloromonofluoromethane		Trichloromonofluoromethane	75-69-4	0.020	33
U127	Hexachlorobenzene		Hexachlorobenzene	118-74-1	0.055	37
U128	Hexachlorobutadiene		Hexachlorobutadiene	87-68-3	0.055	28
U129	Lindane		alpha-BHC	319-84-6	0.00014	0.066
			beta-BHC	319-85-7	0.00014	0.066
			Delta-BHC	319-86-8	0.023	0.066
			gamma-BHC (Lindane)	58-89-9	0.0017	0.066
U130	Hexachlorocyclopentadiene		Hexachlorocyclopentadiene	77-47-7	0.057	3.6
U131	Hexachloroethane		Hexachloroethane	67-72-1	0.055	28
U134	Hydrogen fluoride	Table 2 in 268.42	Fluoride	16964-48-8	35	NA
U136	Cacodylic acid	Table CCWE in 268.41	Arsenic	7440-38-2	0.79	NA
U137	Indeno(1,2,3-c,d)pyrene		Indeno(1,2,3-c,d)pyrene	193-39-5	0.0055	8.2
U138	Iodomethane		Iodomethane	74-88-4	0.19	65
U140	Isobutyl alcohol		Isobutyl alcohol	78-83-1	5.8	170
U141	Isosafrole		Isosafrole	120-58-1	0.081	2.6
U142	Kepon		Kepon	143-50-8	0.0011	0.13
U144	Lead acetate	Table CCWE in 268.41	Lead	7439-92-1	0.040	NA
U145	Lead phosphate	Table CCWE in 268.41	Lead	7439-92-1	0.040	NA
U146	Lead subacetate	Table CCWE in 268.41	Lead	7439-92-1	0.040	NA
U151	Mercury	Table CCWE in 268.41 and Table 2 in 268.42	Mercury	7439-97-6	0.030	NA
U152	Methacrylonitrile		Methacrylonitrile	126-98-7	0.24	84
U155	Methacrylonitrile		Methacrylonitrile	91-80-5	0.081	1.5
U157	3-Methylcholanthrene		3-Methylcholanthrene	56-49-5	0.0055	15
U158	4,4'-Methylenebis(2-chloroaniline)		4,4'-Methylenebis(2-chloroaniline)	101-14-4	0.50	36
U159	Methyl ethyl ketone		Methyl ethyl ketone	78-93-3	0.28	36
U161	Methyl isobutyl ketone		Methyl isobutyl ketone	108-10-1	0.14	33
U162	Methyl methacrylate		Methyl methacrylate	80-62-6	0.14	160
U165	Naphthalene		Naphthalene	91-20-3	0.059	3.1
U168	2-Naphthylamine	Table 2 in 268.42	2-Naphthylamine	91-59-8	0.52	NA
U169	Nitrobenzene		Nitrobenzene	98-95-3	0.068	14
U170	4-Nitrophenol		4-Nitrophenol	100-02-7	0.12	29
U172	n-Nitrosodi-n-butylamine		n-Nitrosodi-n-butylamine	924-16-3	0.40	17
U174	N-Nitrosodiethylamine		N-Nitrosodiethylamine	55-18-5	0.40	28
U179	N-Nitrosopropidine		N-Nitrosopropidine	100-75-4	0.013	35
U180	N-Nitrosopyrrolidine		N-Nitrosopyrrolidine	930-55-2	0.013	35
U181	5-Nitro-o-toluidine		5-Nitro-o-toluidine	99-55-8	0.32	28
U183	Pentachlorobenzene		Pentachlorobenzene	608-93-6	0.055	37
U185	Pentachloronitrobenzene		Pentachloronitrobenzene	82-68-8	0.055	4.8
U187	Phenacetin		Phenacetin	62-44-2	0.081	16
U188	Phenol		Phenol	108-95-2	0.039	6.2
U190	Phthalic anhydride (measured as Phthalic acid)		Phthalic anhydride (measured as Phthalic acid)	85-44-9	0.54	28
U192	Pronamide		Pronamide	23950-58-5	0.093	1.5
U196	Pyridine		Pyridine	110-86-1	0.014	16
U203	Safrole		Safrole	94-59-7	0.081	22
U204	Selenium dioxide	Table CCWE in 268.41	Selenium	7782-49-2	1.0	NA
U205	Selenium sulfide	Table CCWE in 268.41	Selenium	7782-49-2	1.0	NA
U207	1,2,4,5-Tetrachlorobenzene		1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	19
U208	1,1,1,2-Tetrachloroethane		1,1,1,2-Tetrachloroethane	830-20-6	0.057	42
U209	1,1,2,2-Tetrachloroethane		1,1,2,2-Tetrachloroethane	79-34-5	0.057	42
U210	Tetrachloroethylene		Tetrachloroethylene	127-18-4	0.068	5.6
U211	Carbon tetrachloride		Carbon tetrachloride	56-23-5	0.057	5.6
U214	Thallium(I)acetate	Table 2 in 268.42	Thallium	7440-28-0	0.14	NA
U215	Thallium(I)carbonate	Table 2 in 268.42	Thallium	7440-28-0	0.14	NA
U216	Thallium(I)chloride	Table 2 in 268.42	Thallium	7440-28-0	0.14	NA
U217	Thallium(I)nitrate	Table 2 in 268.42	Thallium	7440-28-0	0.14	NA
U220	Toluene		Toluene	108-88-3	0.080	28
U225	Tribromomethane (Bromoform)		Tribromomethane (Bromoform)	75-25-2	0.83	15
U226	1,1,1-Trichloroethane		1,1,1-Trichloroethane	71-55-6	0.064	5.6
U227	1,1,2-Trichloroethane		1,1,2-Trichloroethane	79-00-5	0.064	5.6

TABLE CCW.—CONSTITUENT CONCENTRATIONS IN WASTES—Continued

Waste code	Commercial chemical name	See also	Regulated hazardous constituent	CAS No. for regulated hazardous constituent	Wastewaters concentration (mg/l)	Non-wastewaters concentration (mg/kg)
U228	Trichloroethylene		Trichloroethylene	79-01-6	^a 0.054	¹ 5.6
U235	tris-(2,3-Dibromopropyl)-phosphate		tris-(2,3-Dibromopropyl)-phosphate	126-72-7	0.025	¹ 0.10
U239	Xylenes		Xylenes		^a 0.32	¹ 28
U240	2,4-Dichlorophenoxyacetic acid		2,4-Dichlorophenoxyacetic acid	84-75-7	0.72	¹ 10
U243	Hexachloropropene		Hexachloropropene	1888-71-7	^a 0.035	28
U247	Methoxychlor		Methoxychlor	72-43-6	^a 0.25	¹ 0.18

¹ Treatment standards for this organic constituent were established based upon incineration in units operated in accordance with the technical requirements of 40 CFR Part 264 Subpart O or Part 265 Subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may certify compliance with these treatment standards according to provisions in 40 CFR Section 268.7.

^a Based on analysis of composite samples.

¹ As analyzed using SW-846 Method 9010; sample size: 0.5-10; distillation time: one hour to one hour fifteen minutes.

NA—Not Applicable.

APPENDIX C

LAB PACKS

Appendix IV—Organometallic Lab Packs

Hazardous waste with the following EPA waste codes may be placed in an "organometallic" or "Appendix IV lab pack:"

P001, P002, P003, P004, P005, P006, P007, P008, P009, P013, P014, P015, P016, P017, P018, P020, P022, P023, P024, P025, P026, P027, P028, P031, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P047, P048, P049, P050, P051, P054, P056, P057, P058, P059, P060, P062, P063, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P077, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P108, P109, P110, P112, P113, P114, P115, P116, P118, P119, P120, P122, P123

U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U032, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127, U128, U129, U130, U131, U132, U133, U134, U135, U136, U137, U138, U139, U140, U141, U142, U143, U144, U145, U146, U147, U148, U149, U150, U152, U154, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U204, U205, U206, U207, U208, U209, U210, U211, U213, U214, U215, U216, U217, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249, U328, U353, U359

F001, F002, F003, F004, F005, F006, F010, F020, F021, F023, F024, F026, F027, F028

K001, K002, K008, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K025, K026, K027, K028, K029, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K054, K060, K081, K084, K085, K086, K089, K071, K073, K083, K084, K085, K086, K087, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K111, K112, K113, K114, K115, K116, K117, K118, K123, K124, K125, K126, K136

D001, D002, D003, D004, D005, D006, D007, D008, D010, D011, D012, D013, D014, D015, D016, D017

U032, U136, U144, U145, U146, U163, U214, U215, U216, U217

14. Appendix V is added to part 268 to read as follows:

Appendix V—Organic Lab Packs

Hazardous wastes with the following EPA Hazardous Waste Code No. may be placed in an "organic" or "Appendix V:"

P001, P002, P003, P004, P005, P006, P007, P008, P009, P013, P014, P015, P016, P017, P018, P020, P022, P023, P025, P024, P026, P027, P028, P031, P034, P036, P037, P038, P039, P040, P041, P042, P043, P044, P045, P046, P047, P048, P049, P050, P051, P054, P057, P058, P059, P060, P062, P063, P064, P064, P065, P066, P067, P068, P069, P070, P071, P072, P073, P074, P075, P077, P081, P082, P084, P085, P087, P088, P089, P092, P093, P094, P095, P096, P097, P098, P099, P101, P102, P103, P104, P105, P108, P109, P110, P111, P112, P113, P114, P115, P116, P118, P119, P120, P122, P123

U001, U002, U003, U004, U005, U006, U007, U008, U009, U010, U011, U012, U014, U015, U016, U017, U018, U019, U020, U021, U022, U023, U024, U025, U026, U027, U028, U029, U030, U031, U033, U034, U035, U036, U037, U038, U039, U041, U042, U043, U044, U045, U046, U047, U048, U049, U050, U051, U052, U053, U055, U056, U057, U058, U059, U060, U061, U062, U063, U064, U066, U067, U068, U069, U070, U071, U072, U073, U074, U075, U076, U077, U078, U079, U080, U081, U082, U083, U084, U085, U086, U087, U088, U089, U090, U091, U092, U093, U094, U095, U096, U097, U098, U099, U101, U102, U103, U105, U106, U107, U108, U109, U110, U111, U112, U113, U114, U115, U116, U117, U118, U119, U120, U121, U122, U123, U124, U125, U126, U127,

U128, U129, U130, U131, U132, U133, U135, U137, U138, U139, U140, U141, U142, U143, U147, U148, U149, U150, U153, U154, U155, U156, U157, U158, U159, U160, U161, U162, U163, U164, U165, U166, U167, U168, U169, U170, U171, U172, U173, U174, U176, U177, U178, U179, U180, U181, U182, U183, U184, U185, U186, U187, U188, U189, U190, U191, U192, U193, U194, U196, U197, U200, U201, U202, U203, U205, U206, U207, U208, U209, U210, U211, U213, U214, U218, U219, U220, U221, U222, U223, U225, U226, U227, U228, U234, U235, U236, U237, U238, U239, U240, U243, U244, U246, U247, U248, U249, U328, U353, U359

F001, F002, F003, F004, F005, F010, F020, F021, F023, F024, F026, F027, F028

K001, K009, K010, K011, K013, K014, K015, K016, K017, K018, K019, K020, K021, K022, K023, K024, K025, K026, K027, K028, K030, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K043, K044, K045, K046, K047, K048, K049, K050, K051, K052, K054, K060, K065, K073, K083, K084, K085, K086, K087, K093, K094, K095, K096, K097, K098, K099, K101, K102, K103, K104, K105, K111, K112, K113, K114, K115, K116, K117, K118, K123, K124, K125, K126, K136

D001, D012, D013, D014, D015, D016, D017

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